Quinquennial Review
of
Forest Administration
in
British India
for the periods
1924-25 to 1928-29 & 1929-30 to 1933-34
and
The Annual Returns of Forest Statistics
for the years
1927-28 to 1936-37
(includes maps)

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1926-27

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Ram Dayal Agarwala, 184, Katra, Allahabad.
The Indian Army Book Depôt, Juhi, Cawnpore.
The Indian Army Book Depôt, Jullundur City.
Manager, Newal Kishore Press, Lucknow.
The Upper India Publishing House, Ltd., Literature Palace, Ammuddaula Park, Lucknow.
Rai Sahib M. Gulab Singh & Sons, Mufid-i-Am Press, Lahore and Allahabad.
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The Tilak School Bookshop, Lahore.
The Standard Bookstall, Lahore.
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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the years 1918-19 to 1927-28.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,755	(a) 5,281	(b) 1,803	3,445	10,529	13·7	(a) Excludes 22 square miles of reserved forests not under the management of the Forest Department. (b) Excludes 51 square miles of other protected forests not under the control of the Forest Department.
United Provinces	106,720	(c) 5,170	4	35	5,209	4·8	(c) Includes 1 square mile of leased forests.
Punjab	97,281	(d) 1,530	(e) 3,406	597	5,533	5·6	(d) Includes 363 square miles of leased forests but excludes 49 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 71 square miles not under the control of the Forest Department.
Burma	182,614	29,061	...	(f) 93,805	122,866	67·2	(f) Includes 3,925 square miles without forest growth.
Federated Shan States	60,593	3,057	...	21,541	24,608	40·6	
Bihar and Orissa	83,083	1,798	(g) 1,224	3	3,025	3·6	(g) Excludes 682 square miles not under the control of the Forest Department.
Assam	55,156	6,108	...	14,487	20,595	37·3	
Central Provinces (including Berar).	99,946	(h) 19,648	...	...	19,648	19·6	(h) Includes 174 square miles of leased forests.
Coorg	1,582	519	...	...	519	32·8	
North-West Frontier Province.	13,183	(i) 236	(j)	9	245	1·8	(i) Excludes 14 square miles of Civil and Military Reserved Forests. (j) Excludes 121 square miles of civil protected forests and 133 square miles of Guzara forests.
Ajmer	2,767	141	...	...	141	5·09	
Baluchistan (portions under British Administration).	54,228†	313	...	472	785	1·4	
Andamans and Nicobar	3,143†	52	...	2,138	2,190	69·6	
Madras	143,257	(k) 18,954	...	(l) 332	19,286	13·4	(k) Includes 27 square miles of Tekadi leased forests and 7 square miles of Ryots forests handed over to Panchayats. (l) Reserved lands.
Bombay (including Sind)	123,271	13,710	1,221	...	(m) 14,931	12·1	(m) Includes 2,609 sqare miles of reserved and protected forests not under the management of the Forest Department.
Total 1927-28	1,103,579‡	105,588	7,658	136,864	250,110	22·6	
,, 1926-27	1,000,146‡	105,285	8,626	137,844	251,755	22·8	
,, 1925-26	1,099,888‡	105,041	8,405	138,834	252,280	22·9	
,, 1924-25	1,099,972‡	103,764	8,278	117,854	229,896	20·8	
		2,870	...	21,575	24,445	...	For Federated Shan States.
,, 1923-24	1,100,112	103,449	7,931	117,470	228,850	20·8	

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1927-28.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	4	101	1,097	16,379	...	243
United Provinces	1	11	...	...	...	...
Punjab	...	16	...	...	...	...
Burma	453	1,433	1,115	6,883	...	...
Federated Shan States	...	...	...	...	...	...
Bihar and Orissa	4	8	...	13	...	...
Assam	109	136	52	...	...	...
Central Provinces	2	2	...	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	9	...	3,021	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	...	...	...	...	...
Andamans	...	52	...	...	...	...
Madras	...	118	...	...	...	...
Bombay	6	104	58	1,837	...	...
Total 1927-28	579	1,979	2,322	28,133	...	243
1926-27	448	2,506	570	32,702	...	...
1925-26	342	2,520	666	10,132	...	...
1924-25	651	2,662	1,056	11,003	...	15
1923-24	944	3,854	667	9,940	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	8	1,164	1,271	2,443	125	1,157	3,725	91	6,844
United Provinces .	4	3,189	5,455	4,648	2	2,858	11,508	3,305	19,555
Punjab . . .	24	1,970	6,364	8,358	1	1,398	9,757	133	6,878
Burma . . .	354	3,197	13,978	17,529	241	3,155	20,925	7,870	33,213
Federated Shan States	20	159	1,147	1,272	...	577	1,849	461	1,200
Bihar and Orissa .	12	3,428	1,318	4,758	22	384	5,164	240	2,932
Assam . . .	33	1,839	1,180	2,552	8	2,300	4,860	854	11,215
Central Provinces .	195	7,072	24,081	31,348	98	3,345	34,791	68	16,563
Coorg . . .	...	43	426	469	...	67	536	...	888
North-West Frontier Province.	...	212	565	777	...	139	916	...	1,49
Ajmer . . .	...	22	210	233	...	158	391	...	298
Baluchistan . .	...	10	450	410	...	77	537	...	20
Andamans . .	...	...	...	36	36	23	59	...	...
Madras . . .	97	16,577	6,359	23,033	473	2,490	25,996	3,298	3,507
Bombay . . .	69	25,293	12,809	38,171	51	2,808	41,030	219	3,175
Total 1927-28 .	816	63,675	75,613	136,037	1,057	20,936	162,044	16,509	1,07,783
1926-27 .	1,095	63,936	76,880	141,769	1,134	20,713	163,580	25,996	99,782
1925-26 .	438	68,957	79,504	149,412	1,405	20,872	171,613	9,849	1,05,757
1924-25 .	903	69,697	78,784	149,863	1,606	21,228	192,697	17,101	1,00,429
1923-24 .	650	66,450	82,091	149,670	1,399	19,739	170,808	15,953	98,520

STATEMENT IV.

Forest survey operations from 1st April 1927 to 31st March 1928.

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1927-28.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans .	...	...	...	...	...	...	...	...	527	.....	
Assam . .	Goalpara . . .	146·1	...	...	...	...	...	(a) 146·1	5684·1	.....	(a) Cost of surveys not debitable to Forests.
Bengal . .	Darjeeling . . .	...	...	...	...	...	...	...	4706·6	.....	(b) Cost not debitable to Forest Department.
	Buxa and Jalpaiguri .	(b) 9·5	...	...	...	(c) 50·1	...	...			(c) Cost paid for by Bengal Government.
	Chittagong . . .	...	...	...	...	1382	...	1441·6			
Bihar and Orissa.	Porahat . . .	1·97	...	...	...	...	...	1·97	2088·26	.....	Supplementary survey of Horhap R. F. on 1" scale. Cost of surveys not debitable to Forests.
	Chaibassa . . .	18·1	...	...	...	...	...	(d) 18·1			(d) Of this 8·7 is supplementary survey and 9·4 is original survey.
	Palamau . . .	12·49	...	...	...	...	...	12·49			Cost not debitable to Forests.
N.-W. F. P. .	...	...	...	...	...	...	...	...	465	.....	
Baluchistan .	Baluchistan . .	14·3	...	...	...	...	...	14·3	241·3	.....	The cost of area surveyed under 1-inch survey against Baluchistan is not debitable to Forests.
Punjab . .	...	...	...	...	...	...	...	...	4,365	.....	
United Provinces.	...	...	...	...	...	...	...	...	7142·7	.....	
Ajmer . .	Ajmer	28·04	...	...	...	...	...	28·04	172·04	.....	The cost of area surveyed under 1-inch survey against Ajmer is not debitable to Forests.
Madras . .	Krishna West . .	...	...	38	32·3	...	...	38	18095	1,000 0 0	
Coorg . .	...	...	...	...	...	...	...	...	478	.....	
India . .	...	...	...	...	...	...	...	...	...	.....	
Central Provinces.	...	...	...	...	...	...	...	...	19535	.....	
Burma . .	Thayetmyo . . .	...	...	...	...	...	...	...			322 sq. miles of 2-inch triangulation was done with a view to survey which was not required. Cost is debitable to Forests.
	Delta	953	...	...	...	...	...	(f) 953			(f) Cost of surveys not debitable to Forests.
	Insein . . .	(g) 10	...	...	...	(h) 27	...	37			(g) The cost of 10 sq. miles under 1-inch survey is not debitable to Forests.
											(h) Of 27 sq. miles under 4-inch survey the cost of 4 sq. miles will be debitable to Forests in 1928-29.
											51 linear miles of traverse survey were done on 4-inch scale.

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1927 to 31st March 1928—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1927-28.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Burma—*contd*	Thaton	...	...	...	...	...	...	...			
	South Pegu	...	...	...	...	...	...	...			61 L. M. of boundary traverse were done on 4-inch scale, of this the cost of 59 L. M. is debitable to Forests in 1927-28 and for the remaining 2 L. M. in 1928-29.
									24342·72	2,18,896 0 0 (*e*)	(*e*) Includes Rs. 666, cost of fair mapping.
	Katha	...	...	...	...	105·41	...	(*i*) 105·41			106·2 L. M. of boundary survey. (*i*) Excludes 2.26 of Unclassed Forests. 155·6 L. M. of boundary survey were done on 4-inch scale.
	Mansi	...	...	...	...	121·79	...	(*j*) 121·79			(*j*) Excludes ·51 sq. miles of Unclassed Forests.
	Mu	...	...	...	...	87·52	...	(*k*) 87·52			(*k*) Excludes 3·1 sq. miles of Unclassed Forest. Cost of surveys from March 1927 to end of field season 1926-27 for the area reported on Form 10 of last year and also cost of mapping.
	Magwe	...	...	...	...	...	...	...			
	Meiktila	...	...	...	...	...	...	...			
	Yamethin	...	...	...	...	...	...	...			
	Prome	...	...	...	...	...	...	...			
Bombay	Karachi	78	...	...	...	...	...	(*l*) 78	13232·9	5,443 0 0	(*l*) Cost of surveys not debitable to Forest Department.
TOTAL 1927-28	1st April 1927 to 31st March 1928.	1271·50	...	38	...	1773·82	...	3083·32	101065·72	Rs. 2,25,339·0	Rs. 36,000
,, 1926-27	1st April 1926 to 31st March 1927.	477	...	743	...	162	...	1382	97982	2,19,371·6	36,000
,, 1925-26	1st April 1925 to 31st March 1926.	382	...	215	...	409	...	1006	96600	2,46,983·2	36,000
,, 1924-25	1st April 1924 to 31st March 1925.	756	...	61	...	395	...	1212	95594	2,05,175·11	30,000
,, 1923-24	1st April 1923 to 31st March 1924.	281	...	924	...	25	...	2568	94382	5,24,078·0	92,254

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working-plans.					Area not under working plans.				Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,173	...	...	6,100	58	1	...	3,763	10,602 (a)	112	4,776	...	13,704
United Provinces	4,672	356	3	5,025	...	166	1	17	5,209	...	2,006	175	62,452
Punjab	2,449	40	43	2,446	44	124	178	2,785	5,533	12	513	...	4,887
Burma	14,505	1,217	...	15,732	55	6,528	3,570	3,241	29,061 (b)	106	3,129	421	96,015 (e)
Federated Shan States	1,072	64	...	1,136	37	12	137	1,782	3,067 (b)	184	...	...	...
Bihar and Orissa	1,552	...	...	1,552	49·11	...	...	1,472	3,024	...	...	415	453
Assam	246	...	...	246	...	1,689	2,463	16,299	20,697	82	...	...	2,363
Central Provinces	17,040	254	2	17,292	88	...	245	2,111	19,648	...	5,799	...	7
Coorg	519	...	...	519	100	...	...	...	519	519	140	...	...
North-West Frontier Province	236	9	...	245	100	...	...	...	245	...	76	35	402
Ajmer	141	...	...	141	...	...	...	...	141	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	785	785	...	...	...	...
Andamans	708	...	...	708	78·26	...	...	1,482	2,190	708	...	...	...
Madras	5,769	9	...	5,778	...	1,787	6,122	5,376	19,063 (c)	...	...	...	949 (e)
Bombay	8,409	4	78	8,335	66	388	537	3,296	12,556 (d)	1,181	767	236	4,552
Total 1927-28	63,491	1,953	126	65,245	41·7	10,695	13,253	42,409	132,340	2,904	17,206	1,282	88,828
,, 1926-27	60,089	4,021	316	63,717	47·8	10,254	14,164	44,335	133,135	5,128	13,698	1,564	2,08,293
,, 1925-26	61,439	303	269	60,950	46·2	10,855	17,442	42,761	132,682	4,795	8,700	254	1,74,586
,, 1924-25	51,313	3,580	330	54,354	44·6	9,421	16,794	41,228	121,718	4,323	6,230	1,493	1,09,301
,, 1923-24	56,056	3,449	659	58,846	44·9	9,493	16,303	46,465	131,107	6,536	5,805	3,520	1,19,133

(a) Includes the area of 22 square miles of reserved forests and 51 square miles of other protected forests, which if added to figures shown in column 6 of Statement I will agree with this total.

(b) Excluding unclassed forests.

(c) Includes 91 square miles of reserved lands and 45 square miles of leased forests under working plans, which if added to figures shown in column 3 of Statement I will agree with this total.

(d) Includes 234 square miles of Kanara Coast Division, which if added to figures shown in column 6 of Statement I will agree with this total.

(e) Financed out of 52-A and not included in total of Rs. 88,828.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,03,865	18,081	46,418	43,413	19,034	2,30,806
United Provinces	1,31,651	32,118	1,19,110	1,55,505	23,328	4,61,712
Punjab	57,194	24,317	27,528	27,737	11,309	1,48,080
Burma	1,85,646	3,02,497	1,38,008	1,67,608	46,464	8,40,223
Federated Shan States	9,815	4,447	8,185	5,677	2,966	31,090
Bihar and Orissa	53,500	29,510	26,877	39,508	13,851	1,63,246
Assam	49,703	20,984	51,281	1,62,801	20,095	3,04,864
Central Provinces	1,22,245	98,328	58,488	79,651	30,649	3,84,361
Coorg	4,223	3,656	7,133	5,806	2,395	23,313
North-West Frontier Province	9,006	17,072	4,198	6,516	1,829	38,621
Ajmer	6,497	...	409	1,948	579	9,433
Baluchistan	...	...	899	320	...	719
Andamans	69,655	5,165	5,753	...	30,628	1,11,201
Madras	2,34,968	36,297	70,550	1,82,021	26,718	5,50,549
Bombay	66,682	1,37,891	36,546	1,14,949	21,791	3,77,859
Total 1927-28	11,04,650	7,30,368	5,95,873	9,93,460	2,51,631	36,75,977
,, 1926-27	9,46,939	8,27,657	5,54,743	8,85,997	2,56,612	34,71,948
,, 1925-26	5,76,767	5,82,838	5,18,251	7,68,474	2,19,498	26,65,828
,, 1924-25	8,72,745	6,65,589	5,10,974	7,07,558	2,01,766	29,58,362
,, 1923-24	6,96,715	6,85,990	4,79,350	6,77,862	1,73,548	27,13,465

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1926-27.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	59	1	161	16	52	230	289	148	538	43	129	191	667	80
Bengal . . B.	139	10	1,418	1,419	1,578	4,425	4,564	4,478	8,058	11	11	4,489	8,069	70
Bengal . . C.	...	101	173	3	9	286	286	...	...	...	...	...	...	...
Bengal . Total	198	112	1,752	1,438	1,639	4,941	5,139	4,626	8,596	54	140	4,680	8,736	150
United Provinces. A.	48	14	32	21	29	96	144	84	207	23	62	107	269	36
United Provinces. B.	347	117	1,780	1,922	485	4,304	4,651	3,650	9,382	532	1,228	4,182	10,610	470
United Provinces. C.	...	117	62	10	24	213	213	...	...	...	...	...	...	...
United Provinces. Total	395	248	1,874	1,953	538	4,613	5,008	3,734	9,589	555	1,290	4,289	10,879	506
Punjab . . A.	673	18	453	339	437	1,247	1,920	728	1,253	61	165	789	1,418	1,109
Punjab . . B.	1,170	80	3,156	6,148	3,533	12,867	14,037	11,868	16,245	...	...	11,868	16,245	2,113
Punjab . . C.	...	136	19	31	42	228	228	...	...	...	...	...	...	...
Punjab . Total	1,843	184	3,628	6,518	4,012	14,342	16,185	12,596	17,498	61	165	12,657	17,663	3,222
Burma . . A.	...	...	1 315	43	213	1,571	2,544	1,829	2,571	164	326	1,993	2,897	...
Burma . . B.	...	...	6,980	249	1,866	9,095	11,131	8,372	10,233	...	...	8,372	10,233	...
Burma . . C.	...	2	82	...	8	92	92	...	...	...	...	...	...	...
Burma . Total	*3,009	2	8,377	292	2,087	10,758	13,767	10,201	12,804	164	326	10,365	13,130	*2,680
Federated Shan States. A.	...	...	1	...	5	6	9	13	13	1	1	14	14	...
Federated Shan States. B	...	...	78	42	8	128	140	111	146	...	...	111	146	...
Federated Shan States. C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Federated Shan States. Total	*15	...	79	42	13	134	149	124	159	1	1	125	160	*14
Bihar and Orissa. A.	41	4	205	21	31	261	302	137	327	28	119	165	446	115
Bihar and Orissa. B.	122	9	1,449	324	58	1,840	1,962	1,811	4,920	13	28	1,824	4,948	152
Bihar and Orissa. C.	...	86	27	...	...	113	113	...	...	...	...	...	...	...
Bihar and Orissa. Total	163	99	1,681	345	89	2,214	2,377	1,948	5,247	41	147	1,989	5,394	267
Assam . . A.	70	1	177	11	75	264	334	197	357	35	74	232	431	102
Assam . . B.	168	2	1,062	77	319	1,460	1,628	1,410	2,272	6	12	1,416	2,284	212
Assam . . C.	...	3	...	...	...	3	3	...	...	...	...	...	...	...
Assam . Total	238	6	1,239	88	394	1,727	1,965	1,607	2,629	41	86	1,648	2,715	314
Central Provinces. A.	39	9	108	173	50	340	379	222	459	97	339	319	798	60
Central Provinces. B.	2,826	174	8,044	9,295	1,012	18,525	21,351	19,163	46,819	10	8	19,173	46,827	2,178
Central Provinces. C.	...	380	668	42	24	1,114	1,114	...	...	...	...	...	...	...
Central Provinces. Total	2,865	563	8,820	9,510	1,086	19,979	22,844	19,385	47,278	107	347	19,492	47,625	2,238
Coorg . . A.	1	...	3	...	...	3	4	2	3	...	...	2	3	2
Coorg . . B.	...	...	16	21	6	43	43	38	67	5	10	43	77	...
Coorg . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coorg . Total	1	...	19	21	6	46	47	40	70	5	10	45	80	2
North-West Frontier Province. A.	124	18	169	84	35	306	430	210	393	25	93	235	486	184
North-West Frontier Province. B.	...	6	1,308	1,872	165	3,351	3,351	3,351	5,011	...	...	3,351	5,011	...
North-West Frontier Province. C.	...	19	4	5	...	28	28	...	...	...	...	...	...	...
North-West Frontier Province. Total	124	43	1,481	1,961	200	3,685	3,809	3,561	5,404	25	93	13,586	5,497	184

* Burma and Federated Shan States have not shown separately "A", "B" and "C" in columns 2 and 15. They have given the totals only.

STATEMENT VII—*contd.*

Breaches of Forest rules—contd.

Province.		Cases pending from 1926 27.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Totals.		
									Cases.	Persons	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	2	...	3	1	...	4	6	3	5	...	...	3	5	3
	B.	...	7	332	1,122	24	1,485	1,485	1,485	3,056	...	...	1,485	3,056	...
	C.	...	3	...	1	...	4	4	...	...	...	...	...	...	...
	Total	2	10	335	1,124	24	1,493	1,495	1,488	3,061	...	...	1,488	3,061	3
Baluchistan	A.	11	1	9	20	...	30	41	29	127	1	1	30	128	11
	B.	...	1	58	209	5	273	273	273	330	...	...	273	330	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	11	2	67	229	5	303	314	302	457	1	1	303	458	11
Andamans	A.	2	...	6	...	...	6	8	6	7	1	1	7	8	1
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	2	...	6	...	...	6	8	6	7	1	1	7	8	1
Madras	A.	2,504	104	4,204	785	209	5,302	7,806	3,918	10,428	2,484	6,537	6,402	16,965	1,404
	B.	3,604	337	14,182	3,935	935	19,389	22,993	17,059	33,974	2,463	4,784	19,522	38,758	3,471
	C.	2	912	342	17	14	1,285	...	...	...	...	...	...	...	...
	Total	6,110	1,353	18,728	4,737	1,158	25,976	30,799	20,977	44,402	4 947	11,321	25,924	55,723	4,875
Bombay	A.	190	33	273	114	61	481	669	461	1,217	48	153	509	1,370	160
	B.	1,196	231	7,637	6,621	1,951	16,440	17,607	16,505	38,646	...	...	16,505	38,646	1,102
	C.	...	1,480	1,522	53	28	3,083	3,114	...	...	...	...	...	...	...
	Total	1,386	1,744	9,432	6,788	2,040	20,004	21,390	16,966	39,863	48	153	17,014	40,016	1,262
GRAND TOTAL	A.	3,764	203	7,119	1,628	1,197	10,147	14,885	7,987	17,905	3,011	8,000	10,998	25,905	3,267
	B.	9,572	924	47,500	33,256	11,945	93,625	1,05,216	89,574	1,79,159	3,040	6,081	92,614	1,85,240	9,768
	C.	2	3,239	2,899	162	149	6,449	5,195	...	...	...	...	...	...	...
Total 1927-28		13,338	4,366	57,518	35,046	13,291	1,10,221	1,25,296	97,561	1,97,064	6,051	14,081	1,03,612	2,11,145	13,035
,, 1926-27		12,424	4,095	57,383	36,033	12,653	1,10,160	124,647	95,676	198,907	5,615	14,030	1,01,291	2,12,957	13,329
,, 1925-26		14,627	4,270	54,554	36,126	11,719	106,629	119,950	93,921	198,822	6,507	17,273	100,433	215,796	14,608
,, 1924-25		16,443	4,397	53,402	34,013	10,134	101,885	118,328	90,469	198,111	6,017	15,878	96,486	213,989	12,625
,, 1923-24.		15,048	4,157	152,745	31,136	9,335	97,373	112,421	84,266	193,224	4,998	14,497	89,264	207,721	1,105

N. B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1926-27.	1927-28	
1	2	3	4	5	6	7
Bengal	1,309	1,298	24·8	3·3	0·8	
United Provinces	3,296	3,208	63·7	2·1	2·6	
Punjab	1,320	1,311	86·2	1·0	0·7	
Burma	139	128	0·4	6·7	8·5	
Federated Shan States	2	2	0·06	...	...	
Bihar and Orissa	1,540	1,477	85·6	6·9	4·2	
Assam	106	30	1·7	14·5	72·6	
Central Provinces	10,478	9,944	52·8	6·1	5·1	
Coorg	182	182	35·06	2·8	...	
North-West Frontier Province	78	75	33·05	3·8	3·8	
Ajmer	140	140	99·2	0·1	...	
Madras	15,339	14,477	80·9	3·4	5·6	
Bombay	8,244	7,936	60·1	22·2	3·7	
Total 1927-28	42,173	40,208	39·9	8·2	4·6	
„ 1926-27	38,814	37,659	36·9	9·0	2·9	
„ 1925-26	41,941	40,811	39·9	5·7	28·0	
„ 1924-25	44,201	42,847	42·6	10·0	3·1	
„ 1923-24	44,528	42,571	43·0	10·0	4·4	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental Fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	...	9	2	41	3	18	4	22	2	91	11
United Provinces	22	5	26	5	62	3	23	25	47	33	180	71
Punjab	4	...	10	...	115	3	66	4	6	2	201	9
Burma	4	...	4	...	27	8	6	1	14	2	55	11
Federated Shan States	...	...	...	...	...	...	...	...	3	...	3	...
Bihar and Orissa	5	5	14	22	11	6	10	3	53	27	93	63
Assam	...	...	3	40	7	19	7	17	...	...	17	76
Central Provinces	30	8	102	125	121	98	33	17	415	286	701	534
Coorg	1	...	4	...	...	...	1	...	...	...	6	...
North-West Frontier Province	...	...	1	...	20	...	21	9	1	...	43	9
Ajmer	...	...	...	...	7	...	...	...	3	...	10	...
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	26	28	156	74	335	147	538	456	768	180	1,823	885
Bombay	31	15	207	36	589	127	103	28	807	190	1,737	396
Total 1927-28	124	61	536	304	1,385	414	826	564	2,139	722	4,960	2,065
„ 1926-27	246	76	464	142	1,317	268	679	165	1,817	645	4,523	1,296
„ 1925-26	172	33	501	178	1,284	317	603	123	1,588	620	4,448	1,271
„ 1924-25	183	49	447	160	1,286	291	583	114	1,744	732	4,243	1,376
„ 1923-24	106	32	331	199	803	228	384	87	15,750	877	3,194	1,423

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area.
	Whole year.	Part of year.	Of all animals.		Of all animals except browsers (camels, sheep and goats).		
			Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,284	...	4,192	...	63	63	10,602
United Provinces	2,092	73	2,200	10	806	28	5,209
Punjab	167	358	4,263	246	412	87	5,533
Burma	21,873	...	58	170	2,388	4,572	29,061
Federated Shan States	2,208	...	...	...	717	61	2,986
Bihar and Orissa	584	223	404	223	1,756	54	3,244
Assam	4,221	...	14,891	...	1,585	...	20,697
Central Provinces	3,136	69	3,856	...	12,578	9	19,648
Coorg	87	432	...	...	...	432	951
North-West Frontier Province	63	...	8	...	173	...	244
Ajmer	64	74	...	...	3	74	215
Baluchistan	164	...	82	47	9	11	313
Andamans	52	...	...	...	359	...	411
Madras	1,912	41	16,292	203	819	9	19,276
Bombay	1,669	302	3,605	...	9,355	...	14,931
TOTAL 1927-28	44,576	1,572	49,851	899	31,023	5,400	133,321
1926-27	44,699	1,707	51,291	641	30,401	5,286	134,025
1925-26	45,109	1,731	50,240	573	30,470	5,679	133,802
1924-25	45,856	2,036	51,842	569	29,782	5,640	135,725
1923-24	46,212	1,704	51,129	595	27,865	5,301	132,806

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,564	23,893	181	...	63	441	18,623	...	...	2
United Provinces	66,502	170,802	132,396	3,500	2,077	6,826	27,314	7,123	...	236
Punjab	11,584	33,551	439,000	53,114	1,614	500	16,494	498,395	..	328
Burma	3,967	26,678	17	...	...	...	...	...	...	...
Federated Shan States	4,574	1,817	...	...	...	...	...	...	...	...
Bihar and Orissa	10,021	34,365	1,555	...	5	9,917	16,240	...	...	...
Assam	12,198	4,559	132	...	246	439	...	...	...	...
Central Provinces	267,766	695,537	355,864	34	2,158	136,850	1,851,984	1,814	...	91
Coorg	403	3,553	...	...	...	...	...	...	...	...
North-West Frontier Province	3,163	6,398	298	...	50	...	...	...	...	...
Ajmer	905	7,854	...	...	...	3,680	13,430	...	...	...
Baluchistan	457	4,899	6,263	253	448	...	...	...	...	...
Madras	83,109	1,045,683	891,307	...	227	13,644	88,818	87,989	...	...
Bombay	23,683	83,688	75,232	740	6,779	224,521	1,049,563	451,373	...	3,489
Total 1927-28	495,896	2,142,272	1,903,245	57,641	14,667	396,818	3,082,466	1,046,694	..	4,146
„ 1926-27	493,666	1,822,588	1,517,086	110,404	13,150	383,373	3,022,782	971,465	396	4,239
„ 1925-26	433,186	2,249,584	1,635,230	89,670	13,483	372,472	2,967,923	1,012,376	1,139	4,547
„ 1924-25	1,705,573		1,552,369	61,763	13,467	9,337,344		1,030,127	741	6,636
„ 1923-24	614,261	2,001,330	1,553,633	67,871	13,025	1,351,497	2,033,470	900,837	1,247	4,129

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,600	4,384	20	...	18	51,789
39,171	457,718	45,310	...	1,391	7,024	35,969	61,299	...	193	1,064,851
132,123	630,191	1,307,613	325	199,428	4,481	24,489	850	8,768	3,009	3,385,857
162,035	323,273	108	...	1,360	17,738	956	...	...	10,812	546,944
2,012	10,713	...	...	...	975	...	...	...	399	20,490
39,980	224,674	58,284	...	12	663	1,428	970	...	30	398,084
29	88	...	...	...	5,169	7,356	2,552	...	...	32,768
...	375	...	...	...	1,754	236,742	132	...	177	3,552,273
5	359	...	...	...	2,042	21,303	...	...	...	27,665
5,366	6,699	...	...	...	...	...	...	...	...	26,969
...	...	...	...	...	364	1,705	...	...	...	27,938
...	3,310	53,226	1	1,193	...	...	...	...	...	70,050
6,424	3,459	4,182	...	...	7,260	56,471	3,709	...	3	2,292,285
2,439	6,187	...	...	34	91,864	452,966	1,004	984	2,517	2,482,962
389,584	1,687,046	1,468,673	326	203,418	140,934	843,769	70,536	9,752	17,158	13,974,041
403,607	1,667,932	1,429,949	286	188,114	135,853	817,569	71,250	8,606	18,582	13,080,897
388,352	1,739,834	1,451,429	286	190,344	139,606	828,434	69,778	5,178	18,690	13,531,541
386,595	1,687,641	1,459,837	286	188,193	1,014,592		148,427	1,600	19,028	18,614,219
367,107	1,739,979	1,444,557	286	188,014	562,726	404,348	65,603	1,461	17,116	13,331,992

STATEMENT XII.

Progress on reproduction and afforestation.

Province.	Area under regeneration at close of year.	Area on which regeneration was completed during the year.	Plantations not under working plans added during the year.	Expenditure during the year.
1	2	3	4	5
	Acres.	Acres.	Acres.	Rs.
Bengal	310	2,403	32	68,386
United Provinces	129,618	5,224	375	1,21,347
Punjab	12,072	3,665	777	2,50,697
Burma	1,957	2,637	*	1,45,312
Federated Shan States	212	320	*	29,345
Bihar and Orissa	30,052	13,004	321	13,470
Assam	...	70	456	14,468
Central Provinces	10,351	663	1,383	3,971
Coorg	560	174	299	12,860
North-West Frontier Province	4,993	240	107	8,765
Ajmer	17,028	1,669	...	205
Baluchistan	69	...	5	1,199
Andamans	...	...	35	9,947
Madras	1,214	1,408	1,636	68,049
Bombay	95,774	25,868	12,607	76,092
Total 1927-28	304,210	57,345	18,033	8,24,113

* Included in Col. 3.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn Per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 33,806,000	4,53,782	1,441,000	22,430	1,812,000	58,624	37,119,000	5,37,836	6,412	86	799	12	525	17	3,525	51
United Provinces	(b) 34,406,000	17,70,339	33,000	589	166,000	4,947	34,605,000	17,75,875	6,655	343	8,250	147	4,743	141	6,643	341
Punjab . .	(b) 11,583,000	13,40,313	16,651,000	13,12,669	5,982,000	76,311	34,216,000	(c) 27,29,293	7,570	876	4,888	385	10,020	128	6,184	493
Burma . .	41,841,000	4,63,596	...	...	64,242,000	5,02,885	106,083,000	9,66,481	1,439	16	...	...	684	5	864	8
Federated Shan States .	3,228,700	48,057	...	...	2,774,400	3,01,745	6,003,100	3,50,702	1,052	16	...	...	128	14	244	14
Bihar and Orissa.	3,945,000	1,00,119	5,662,000	1,25,720	10,000	...	9,617,000	2,25,648	2,194	56	4,625	102	3,333	...	3,179	74
Assam . .	(d) 7,330,000	(d) 2,93,450	...	...	12,043,000	7,38,640	19,373,000	10,32,099	1,200	48	...	...	831	51	940	50
Central Provinces	(b) 40,794,000	(b) 27,03,945	...	...	...	...	40,794,000	27,03,945	2,076	137	...	...	...	...	2,076	137
Coorg . .	367,240	29,467	127,187	150	...	...	494,427	29,617	707	56	...	...	...	...	952	57
North-West Frontier Province.	(e) 2,020,000	81,137	...	...	123,000	...	3,043,000	81,137	12,372	343	...	...	13,666	...	12,420	331
Ajmer . .	332,248	43,007	...	...	...	...	332,248	43,007	2,356	304	...	...	...	...	2,356	305
Baluchistan .	108,917	45,141	...	...	166,022	22	364,039	45,163	635	144	...	...	352	...	465	57
Andamans . .	185,220	2,951	...	...	2,696,833	5,126	2,882,053	11,077	3,562	57	...	...	1,261	4	1,316	5
Madras . .	(b) 16,300,000	9,05,717	...	...	(f) 6,742,000	8,57,454	23,042,000	17,63,171	859	47	...	...	20,307	2,582	1,194	91
Bombay . .	(b) 50,691,000	(b) 20,10,058	1,185,000	10,054	329,000	...	(g) 52,205,000	20,20,112	3,698	146	970	8	...	...	3,496	135
Total 1927-28 .	247,988,325	1,02,94,988	25,099,187	14,71,621	97,086,255	25,48,754	370,173,767	1,43,15,363	2,348	97	3,277	192	709	18	1,480	57
,, 1926-27 .	248,248,914	90,61,583	21,486,407	25,42,038	92,300,585	29,84,282	362,035,906	1,45,87,903	2,356	86	2,491	292	669	21	1,432	53
,, 1925-26 .	241,011,623	22,25,275	25,963,135	23,03,410	94,730,893	27,73,276	361,704,651	1,43,00,961	2,294	88	3,089	274	682	19	1,433	56
,, 1924-25 .	237,628,004	1,07,01,199	26,533,649	12,46,907	91,128,147	17,65,485	255,289,800	1,37,13,591	2,290	103	3,205	151	773	15	1,110	60
,, 1923-24 .	243,014,669	1,10,36,255	27,542,607	18,66,904	83,129,605	19,33,131	353,686,881	1,48,36,290	2,349	107	3,473	235	706	16	1,545	65

(a) Includes leased lands.
(b) ,, ,, forests.
(c) ,, Rs. 1,29,213, profit on resin for 1926-27.
(d) ,, shared forests.
(e) ,, Guzara forests.
(f) Reserved and unreserved lands.
(g) Sandal wood—
Kh. M. lbs.
465 5 6
188 9 27 rejected chips, etc.
180 c.ft. rejected chips, etc.
123 cart loads of chips, etc.
2,284 rejected trees, branches, roots, billets, etc.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	596,000	21,535,000	19,000	...	22,150,000	670,000	13,909,000	390,000	...	14,969,000
United Provinces	647,000	7,452,000	92,000	856,000	9,047,000	469,000	11,104,000	1,025,000	12,960,000	25,558,000
Punjab	1,229,000	1,789,000	107,000	1,292,000	4,417,000	2,568,000	3,605,000	10,000	23,616,000	29,799,000
Burma	3,216,000	46,818,000	260,000	866,000	51,160,000	1,538,000	50,370,000	305,000	2,710,000	54,923,000
Federated Shan States	15,800	4,806,500	17,700	177,200	5,017,200	53,300	658,700	...	273,900	985,900
Bihar and Orissa	235,000	1,666,000	69,000	318,000	2,288,000	147,000	2,511,000	74,000	4,597,000	7,329,000
Assam	391,000	8,795,000	650,000	...	9,836,000	199,000	4,456,000	4,875,000	7,000	9,537,000
Central Provinces	5,006,000	3,947,000	437,000	93,000	9,483,000	12,176,000	17,145,000	1,732,000	258,000	31,311,000
Coorg	134,887	106,721	...	...	241,608	104,607	148,212	...	...	252,819
North-West Frontier Province	876,000	8,000	2,000	6,000	892,000	513,000	96,000	1,221,000	316,000	2,151,000
Ajmer	864	3,546	...	...	4,410	142,606	185,232	...	...	327,838
Baluchistan	1,660	1,252	1,280	...	4,192	23,195	337,552	...	...	360,747
Andamans	2,075,010	13,798	41,160	42,217	2,172,180	178,833	94,000	329,280	107,760	709,873
Madras	1,917,000	2,391,000	489,000	29,000	4,826,000	1,169,000	16,846,000	120,000	81,000	18,216,000
Bombay	1,427,000	3,733,000	79,000	300,000	5,539,000	3,594,000	32,762,000	31,000	10,279,000	46,666,000
Total 1927-28	17,768,221	103,065,812	2,264,140	3,979,417	127,077,590	23,550,541	144,227,696	10,112,280	65,205,660	243,096,177
„ 1926-27	18,468,788	102,220,343	1,962,845	3,892,607	126,544,583	19,174,573	157,304,879	10,003,320	49,008,600	235,491,372
„ 1925-26	602,680,112	71,109,399	1,414,450	4,212,373	679,416,339	14,689,579	157,490,550	8,862,154	54,784,800	235,827,133
„ 1924-25	16,316,960	91,952,000	2,172,331	3,376,236	113,817,527	16,592,147	151,277,782	7,539,103	54,979,476	230,388,508
„ 1923-24	15,289,026	88,667,774	2,102,118	4,160,117	110,219,035	16,743,146	159,147,925	8,076,182	60,347,876	244,315,429

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	179	1,44,812	790	...	1,45,181	...	33,225	33,163	...	66,388	42,823	2,81,283	2,661	...	3,26,367
United Provinces .	807	1,50,953	140	7,514	1,59,414	5,348	2,01,209	14,662	3,17,871	5,39,090	6,40,551	3,84,241	3,920	48,659	10,77,371
Punjab . . .	28,033	7	...	783	28,823	157	1,49,998	46,859	20,15,113	22,12,127	4,21,696	21,230	126	45,291	4,88,343
Burma . . .	668	3,07,749	4	14,944	3,23,365	14	17,231	52,396	1,55,316	2,24,957	12,926	3,66,028	228	38,957	4,18,159
Federated Shan States.	104	10,315	...	2 987	1 ,406	...	4,567	6,549	6,888	18,004	72	3,03,475	...	15,745	3,19,292
Bihar and Orissa .	8,459	51,971	1,692	3,982	66,104	...	12,829	1,110	1,03,019	1,16,958	4,064	34,759	315	3,648	42,786
Assam . . .	168	93,780	21,741	...	1,15,689	...	37,170	19,661	119	56,950	5,740	6,71,234	1,82,480	...	8,59,460
Central Provinces .	4,964	4,07,542	10,572	...	4,23,078	2,895	13,76,584	1,43,609	374	15,23,462	1,16,474	5,04,515	44,016	2,400	7,67,405
Coorg . . .	16	1,766	62	...	1,844	...	388	1,741	42	2,171	...	25,551	1	50	25,602
North-West Frontier Province.	...	...	...	...	...	...	8,330	91	5,787	14,208	66,827	102	...	...	66,929
Ajmer . . .	...	723	...	...	723	11,081	14,762	1,291	20,607	37,741	613	3,930	...	...	4,543
Baluchistan . .	...	...	...	...	...	...	2,600	...	41,470	44,070	...	709	375	...	1,084
Andamans . .	667	84	1,872	88	2,211	...	...	...	...	...	2,031	1,901	4,530	404	8,866
Madras . . .	11,033	3,38,936	1,660	434	3,52,063	192	6,35,068	13,397	8,737	6,57,394	19,575	7,26,914	6,509	656	7,53,714
Bombay . .	98	1,46,076	2,771	50,019	1,98,964	...	8,52,554	25,750	6,90,501	15,68,805	17,251	1,94,161	5,797	35,114	2,52,343
TOTAL 1927-28 .	55,196	16,54,114	40,804	80,751	18,30,865	9,687	33,46,524	3,60,279	33,65,844	70,82,334	13,50,149	36,10,053	2,51,018	1,90,944	54,02,164
,, 1926-27 .	76,167	16,96,820	38,244	77,096	18,88,307	27,038	35,58,027	43,67,116	32,39,590	71,91,771	11,69,171	38,95,627	3,50,533	1,92,404	55,07,735
,, 1925-26 .	82,629	16,43,768	28,327	95,814	18,50,53	10,547	36,86,287	3,74,253	32,82,033	73,53,120	10,66,645	36,03,989	2,37,613	2,00,036	51,08,283
,, 1924-25 .	1,00,726	15,07,229	33,499	58,229	16,99,688	14,145	39,52,535	3,87,309	32,60,637	76,14,626	10,88,097	32,44,621	2,33,471	2,01,145	47,67,344
,, 1923-24 .	1,45,443	16,09,620	31,164	60,123	18,46,350	31,810	37,71,856	3,79,902	35,43,406	77,25,664	8,58,414	39,13,483	2,25,883	2,72,513	52,70,292

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.	Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1927-28.	
	Average of 5 years 1922-23 to 1926-27.	In 1927-28.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs. A. P.
Caoutchouc, raw	8,156	11,341	2,57,09,077	2,266 14 8
Lac — Button	992	902	28,39,245	3,147 11 7
Lac — Shell	19,49	20,218	5,68,57,430	2,812 3 6
Lac — Stick, seed and other kinds	4,723	6,059	1,01,89,181	1,681 10 7
Cutch and gambier	2,397	2,301	8,50,308	369 8 7
Myrabolams	65,251	96,374	1,22,08,697	126 10 1
Cardamums	280	445	23,26,610	5,228 5 5
Sandal	782	993	16,21,442	1,632 13 11
Teak	46,963	50,624	1,41,83,311	280 2 9
Other kinds of wood and timber	...	...	5,66,466	...
TOTAL 1927-28	...	...	12,73 46,767	...
„ 1926-27	...	...	10,83,30,009	...
„ 1925-26	...	...	12,84,97,713	...
„ 1924-25	...	...	11,43,32,316	...
„ 1923-24	...	...	12,45,12,059	...

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1924-1928.		Imports of sleepers of wood for railways into British India, 1924-1928.	
	Cubic tons.	Rs.	Tons.	Rs.
1924	30,765	32,68,227	645	87,662
1925	‡31,156	‡28,70,856	14,238	14,91,246
1926	‡28,104	‡27,49,637	25,734	31,17,949
1927	‡26,002	‡33,44,387	14,704	16,60,677
1928	‡23,860	‡28,90,525	1,950	2,27,845

‡ Represent figures for deal and pine wood, jarrah wood and teak wood only from April 1925. Figures prior to April 1925 include certain kinds of unspecified timber, separate figures of which are no longer available.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	3,303	71,698	41,902	38,522	2,661	1,58,086
United Provinces	97,000	1,22,000	8,000	...	51,000	2,78,000
Punjab	80,516	7,56,349	...	...	21,08,172	29,45,037
Burma	87,880	2,964	4	52,396	228	1,43,472
Federated Shan States	2,744	...	...	6,549	...	9,293
Bihar and Orissa	49,428	63,215	5,947	1,05,934	4,664	2,29,188
Assam	40,311	59,803	21,681	20,658	1,82,542	3,24,995
Central Provinces	47,071	70,086	11,658	12,65,341	30,713	14,24,869
Coorg	...	...	...	6,012	...	6,012
North-West Frontier Province	2,400	43,236	...	5,878	...	51,514
Ajmer	...	...	...	21,899	...	21,899
Baluchistan	266	...	...	375	...	641
Andamans	6,240	3,725	1,460	...	4,932	16,357
Madras	85,273	10,720	1,664	28,133	7,160	1,32,950
Bombay	1,00,204	3,06,495	52,790	7,15,751	41,411	12,16,651
TOTAL, 1927-28	6,02,636	15,10,291	1,45,106	22,67,448	24,33,483	69,58,964
,, 1926-27	5,91,572	14,36,747	1,42,861	21,52,169	24,34,531	67,57,880
,, 1925-26	5,47,210	13,20,108	1,47,125	24,93,462	24,22,153	69,30,058
,, 1924-25	4,68,901	13,13,849	96,891	44,72,409	3,79,190	67,31,240
,, 1923-24	4,76,177	14,88,577		34,80,661	3,97,733	59,34 244

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1927-28.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			2,83,44,447	72·8
	(b) Minor forest produce			33,37,957	8·5
	(c) Forest stamps and Commutation fees for forest produce			1,08,794	0·2
	(d) Grazing			35,97,776	9·2
	(e) Revenue from forests not managed by Government			1,91,902	0·4
	(f) Miscellaneous			33,20,592	8·5
			Total Revenue	3,89,01,468	—
Expenditure	A. Recurring	(a) Administration	(i) Superior Staff	1,36,32,199	50·7
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	63,38,898	23·8
			(2) Roads and Buildings	15,32,395	5·7
			(3) Fire protection	2,72,336	1·0
			(4) Cultural operations	6,54,310	2·4
			(5) Live-stock, stores and plant	5,27,116	1·9
			(6) Working-Plans	38,749	0·1
			(7) Rent for leased forests	3,20,074	1·1
			(8) Miscellaneous	10,73,954	4·0
		(c) Expenditure on realization of revenue from forests not managed by Government.		34,546	0·1
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute).*		29,616	0·1
			Total	2,45,14,193	—
	B. Extraordinary	(e) Forest Settlement		17,485	0·0
		(f) Forest Survey		28,892	0·1
		(g) Forest Demarcation		1,58,313	0·5
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		2,70,324	1·0
		(i) Share of Capital charges transferred to S-A		18,57,589	6·9
			Total	23,32,603	—
			GRAND TOTAL OF EXPENDITURE	2,68,46,796	—
			Net Revenue (Excluding Burma and Federated Shan States)	1,20,54,672	—

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the Forest year 1927-28.

(Burma and Federated Shan States only.)

					Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood				2,10,26,524	93·8
	(*b*) Minor forest produce				6,53,527	2·9
	(*c*) Grazing				21,798	0·0
	(*d*) Revenue from forests not managed by Government				2,88,393	1·2
	(*e*) Miscellaneous				4,17,486	1·8
				Total Revenue	2,24,07,668	...
Expenditure	A Recurring	(*a*) Administration.	(i) Superior Staff		50,80,905	57·5
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).			
			(iii) Office Establishments (including Contingencies).			
		(*b*) Working	(1) Extraction		13,14,644	14·8
			(2) Roads and Buildings		3,56,056	4·0
			(3) Fire protection		1,34,971	1·5
			(4) Live-stock, stores and plant		2,81,217	3·1
			(5) Working Plans, revision and maintenance.		*96,015	...
			(6) Maintenance of boundaries		36,293	0·4
			(7) Regeneration and improvement		1,55,612	1·7
			(8) Silvicultural Research		8,089	0·0
			(9) Utilisation Research		2,04,585	2·3
			(10) Other Works		1,44,674	1·6
			(11) Miscellaneous		96,013	1·0
				Total	78,13,059	...
	B Extraordinary	(*c*) Forest Survey			12,027	0·1
		(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.			1,07,116	1·2
		(*e*) Share of capital charges transferred to 8-A			9,05,656	10·2
				Total	10,24,799	...
				GRAND TOTAL OF EXPENDITURE	88,37,858	...
				Net Revenue	1,35,69,810	...
				(Burma and Federated Shan States only)		

* Expenditure included under B (*e*) Capital charges transferred to 8-A and not included in total of A—Recurring.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (Includes Federated Shan States and backward tracts.)	Bihar and Orissa (Includes Angul Division.)	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	6,62,284	17,06,825	21,68,135	49,01,280	25,016	4,95,156
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	25,41,335	50,81,317	4,62,283	1,64,20,313	9,34,939	25,76,295
III.—Drift and waif wood and confiscated forest produce.	...	14,764	4,531	39,135	3,80,256	965	27,382
IV.—Revenue from forests not managed by Government.	...	...	37,904	971	2,88,333	...	93,849
V.—Miscellaneous	...	1,31,097	3,70,606	5,20,693	4,17,486	29,991	4,20,778
TOTAL REVENUE .	...	33,49,480	72,01,183	31,91,217	2,24,07,668	9,38,760*	36,13,460
EXPENDITURE.							
A.—CONSERVANCY AND WORKS.							
I.—Timber and other produce removed from the forests by Government Agency.	...	2,53,993	5,13,282	10,81,817	10,62,305	13,188	1,85,160
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,84,702	2,26,386	1,899	1,76,402	26,794	35,276
III.—Drift and waif wood and confiscated forest produce.	...	4,768	543	13,554	75,937	13	1,137
IV.—Revenue from forests not managed by Government.	...	...	16,086	...	...	...	5,550
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	20,490	96,590	...	9,000	86,805
VI.—Live-stock, stores, tools and plant . .	...	14,119	85,634	16,070	2,81,217	1,770	24,615
VII.—Communications and buildings .	...	1,11,532	2,96,571	67,238	3,56,056	74,389	2,30,592
VIII.—Demarcation, improvements and extension of forests.	...	58,331	3,65,680	1,01,053	6,84,224	39,157	22,999
IX.—Miscellaneous	...	14,664	6,07,047	53,387	96,013	16,715	40,081
Total A.—Conservancy and Works .	...	6,42,109	21,31,719	14,31,608	27,32,154	1,81,026	6,32,217
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	61,661	7,98,278	16,27,903	10,70,871	50,80,905	4,82,065	6,78,035
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	382	60,589	50,333	1,19,143	283	20,785
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	2,61,684	1,73,092	4,02,062	9,05,656	...	1,14,730
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	...	...	1,29,086	...
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	61,661	17,02,453	39,93,303	29,54,874	88,37,858	6,63,374	14,45,767
SURPLUS . (Excluding expenditure under E.)	...	16,47,027	32,07,880	2,36,343	1,35,69,810	2,75,386	21,67,693
DEFICIT .	61,661	...	...	...	...	...	...
Proportion of surplus to gross revenue . .	...	49	44	7	60	29	59
Net revenue per square mile of forest area under control of Forest Department.	...	156	615	42	92	91	105

* Revenue under B. & C. excludes Rs. 52,151 deducted on account of Refunds.

MENT XVIII.

Forest Department in India for the financial year 1927-28.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs
14,01,941	3,93,499	7,19,849	30,019	6,886	14,09,287	...	17,42,560	27,72,110	1,84,39,847
32,36,248	60,619	17,348	36,439	14,498	4,623	...	29,53,363	40,50,631	3,83,92,251
2,020	...	668	...	38	...	...	12,202	3,827	4,85,788
28,775	...	268	...	5,311	...	...	...	24,824	4,80,235
4,09,176	34,254	18,567	8,057	3,134	4,152	1,16,167	6,36,306	4,42,702	35,63,166
50,78,160	4,93,372	7,56,700	76,515	29,867	14,18,062	1,16,167	53,44,431	72,94,094	* 6,13,09,136
4,05,265	46,230	4,66,445	17,768	2,533	8,06,969	...	4,78,800	12,18,693	65,52,448
2,25,389	...	...	1,131	...	642	...	1,34,387	50,613	10,63,623
113	...	175	...	...	...	...	1,094	137	97,471
...	...	...	...	310	...	...	...	12,600	84,546
17,949	...	20,680	7,327	...	...	...	525	60,708	3,20,074
29,230	25,565	...	216	125	1,56,354	17,085	1,04,330	52,008	8,08,333
1,56,626	14,807	12,264	15,380	720	2,901	8,524	1,62,991	3,77,860	18,88,451
2,83,507	13,392	11,024	2,556	1,239	21,775	...	1,07,042	1,42,330	18,54,309
50,813	639	13,280	637	398	14,452	1,94,166	15,238	52,487	11,69,967
11,68,892	1,00,633	5,23,868	45,015	5,325	10,03,093	2,19,775	10,04,407	19,67,881	1,37,89,222
23,30,576	1,29,079	1,60,615	31,227	28,694	1,45,932	6,71,517	31,44,829	23,00,533	1,87,42,720
...	4,451	6,931	...	...	...	...	82,703	43,867	3,89,467
...	16,023	...	6,612	...	3,01,659	44,072	5,37,655	...	27,63,245
...	...	2,57,644	...	...	....	...	...	...	3,86,730†
34,99,468	2,50,186	6,91,414	82,354	34,019	14,50,684	9,35,364	47,69,594	43,11,781	3,56 84,654
15,78,692	2,43,186	65,286	...	...	...	...	5,74,837	29,82,313	2,65,48,453
...	...	...	6,339	4,152	32,622	8,19,197	...	...	9,23,971
31	49	8	...	...	...	...	10	40	...
80	468	266	...	...	...	...	29	199	...

† Not included in grand total of expenditure.

STATE

Revenue of the Forest Department throughout India for the 29 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal*	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,67,423	7,05,558	7,37,383	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	...	...	...	...	...	...	...
Assam†	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,986	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,186	1,33,456	1,62,410
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	65	1,152	4,475	11,659	15,283	14,162	10,270
Baluchistan	...	...	8,556	10,978	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210
Forest Surveys (Imperial)	...	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,968	23,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.
	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546
Bengal*	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932
Punjab	14,57,449	12,88,792	10,32,638	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801
Burma	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531
Bihar and Orissa	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081
Assam†	14,30,447	14,46,368	15,54,782	13,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621
Central Provinces and Berar	22,90,128	20,78,102	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314
North-West Frontier Province.	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,018	1,86,815	2,40,985
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,697	31,170	23,445	21,272
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,89,248	4,34,784	6,49,711
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199
Forest Surveys (Imperial)	...	...	...	...	...	...	...	...	...	...
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,268	55,19,177
GRAND TOTAL	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,61,545	2,97,09,784	3,11,16,367	3,70,61,930

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1927-28 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	...	Imperial.
12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.*
15,65,463	17,15,508	20,25,324	20,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.†
12,65,614	15,79,116	16,84,428	19,96,032	20,13,459	20,49,131	24,01,159	Central Provinces and Berar.
1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
...	13,012	1,01,123	1,01,833	90,991	1,28,529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,835	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,52,511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	...	...	...	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	33,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total.

1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27	1927-28.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	...	...	...	Imperial.
13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529	28,56,420	31,23,841	33,49,480	Bengal.*
61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987	64,26,281	58,71,803	72,01,183	United Provinces.
21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	37,27,312	41,12,076	39,07,731	31,91,217	Punjab.
1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952 (a)	1,94,92,399 (a)	1,96,77,824 (a)	2,23,46,518 (a)	2,35,94,060 (a)	2,24,07,668 (b) (a)	Burma.
7,53,625	9,44,763	8,17,458	8,10,602	90,00,373	8,81,904	10,29,085	10,70,268	10,28,592	9,43,752	9,38,760	Bihar and Orissa.
13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,18,853	19,74,292	24,78,756	30,39,140	31,33,473	36,13,460	Assam.†
34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	49,87,409	53,21,876	50,78,160	Central Provinces and Berar.
4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	5,38,518	4,58,145	4,93,372	Coorg.
3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767	7,44,207	7,91,166	7,56,700	North-West Frontier Province.
27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	72,759	66,934	76,515	Ajmer.
17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593	23,621	27,942	29,867	Baluchistan.
7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,197	8,91,029	11,70,863	14,18,062	Andaman .
8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	1,05,697	2,74,025	1,16,167	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	51,70,520	56,23,700	53,44,431	Madras.
63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964	75,28,038	76,56,420	72,94,094	Bombay.
4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	5,98,70,825	6,19,64,731	6,18,09,136	Grand Total.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

STATE

Expenditure of the Forest Department throughout India for the 29 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
GRAND TOTAL	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649
United Provinces	11,94,013	12,22,436	12,09,308	12,37,936	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588
Bihar and Orissa	...	...	...	...	3,00,916	3,75 894	3,55,648	3,84,371	3,61,550	4,47,972
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498
Forest Surveys (Imperial).	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678
Bombay	19,55,427	20,43,873	20,63.088	20,70,417	26,64,436	26.94,455	25,89,877	24,87,925	26,42,038	25,64,681
GRAND TOTAL	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1927-28 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	26,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12 57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,437	92,191	88,820	95,748	1,02,855	Coorg.
...	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,186	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,26,602	24,80,660	Madras.
24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,20,521	1,40,62,819	Grand Total.

1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489	1,68,595	1,18,903	1,23,858	61,661	Imperial.*
7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	12,60,968	17,34,761	17,02,453	Bengal.†
32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005	36,95,346	33,73,499	39,93,303	United Provinces.
11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488	27,01,510	27,03,386	29,51,874	Punjab.
54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149 (a)	1,03,02,159 (a)	96,28,313 (a)	86,87,943 (a)	89,40,884 (a)	88,37,858 (a)	Burma.
3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397	6,65,624	10,83,069	6,63,374	Bihar and Orissa.
6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853	15,67,983	14,47,506	14,45,767	Assam.‡
18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	33,45,729	36,48,691	34,99,468	Central Provinces and Berar.
1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	3,05,395	2,84,770	2,50,186	Coorg.
1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,88,713	5,47,321	6,40,719	6,91,414	North-West Frontier Province.
26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	55,161	79,728	82,854	Ajmer.
29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	31,358	32,422	34,019	Baluchistan.
3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	11,35,063	12,20,097	14,50,684	Andamans.
2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365	8,14,033	8,96,566	9,35,364	Imperial Forest College and Research Institute.
56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	...	...	...	Forest Surveys (Imperial).
30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	48,23,239	50,36,844	47,69,594	Madras.
33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317	42,07,626	43,59,516	43,11,781	Bombay.
2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,37,883	3,39,63,202	3,56,06,316	3,56,84,654	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 29 financial year

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,743	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,95,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943
Bihar and Orissa	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109
Assam‡	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,532	3,26,822
North-West Frontier Province.	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—6,652
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299
Forest Surveys (Imperial).	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,448
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496
GRAND TOTAL	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*concld.*

from 1899-1900 to 1927-28 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial *
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,832	63,91,806	61,52,766	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,261	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
...	6,498	47,038	41,280	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,61,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	GRAND TOTAL.

1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495	—1,18,903	—1,23,858	—61,661	Imperial.*
6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	15,95,452	13,89,080	16,47,027	Bengal.†
29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	27,30,935	24,97,804	32,07,880	United Provinces.
9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428 (a)	14,70,498 (a)	11,12,824 (a)	14,10,566 (a)	12,04,345 (a)	2,36,348 (a)	Punjab.
68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240	1,00,49,511	1,36,58,575	1,46,53,176	1,35,69,810	Burma.
3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871	3,62,968	—1,39,317	2,75,386	Bihar and Orissa.
6,23,329	8,01,757	6,59,873	5,65,343	3,05,616	5,99,219	8,14,447	11,47,903	14,71,157	16,85,967	21,67,693	Assam.‡
15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	16,41,680	16,72,695	15,78,692	Central Provinces and Berar.
2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	2,33,123	1,73,375	2,43,186	Coorg.
1,33,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	1,96,886	1,50,447	65,286	North-West Frontier Province.
1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937	17,593	—12,794	—6,339	Ajmer.
—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	—7,737	—4,480	—4,152	Baluchistan.
3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,852	—4,28,093	—2,44,034	—49,234	—32,622	Andamans.
—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	—7,08,336	—6,22,541	—8,19,197	Imperial Forest College and Research Institute.
—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...	...	...	...	Forest Surveys (Imperial).
24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	3,47,281	5,86,856	5,74,837	Madras.
29,56,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	33,20,412	32,96,904	29,82,313	Bombay.
1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	2,59,07,623	2,63,58,415	2,56,24,482	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

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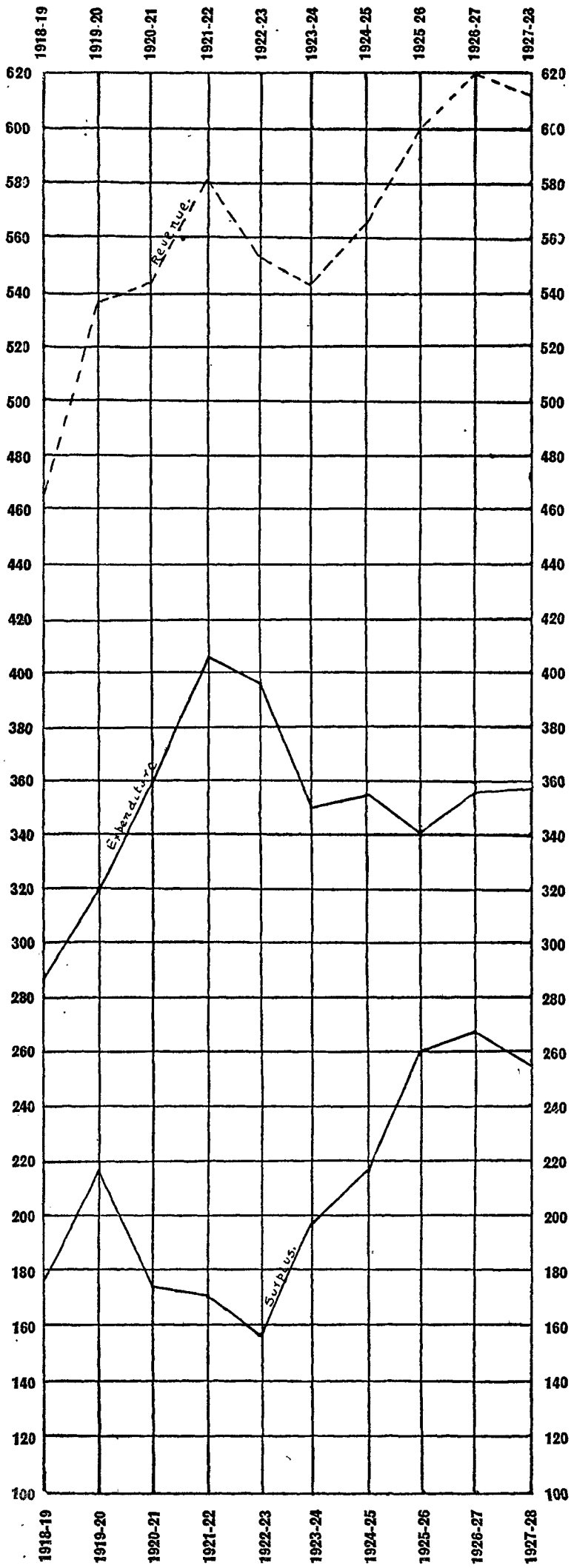
DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

FOR THE 10 YEARS 1918-19 TO 1927-28.



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Annual Return of Statistics relating to Forest Administration in British India for the year 1928-29

(With which is incorporated the Quinquennial Review, ending 31st March 1929).

CALCUTTA: GOVERNMENT OF INDIA
CENTRAL PUBLICATION BRANCH
1930

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APPENDIX.

1. Area under the control of the Forest Department compared with the total area of British India (incuding the Shan States).
2. Growth of forest revenue and expenditure by quinquennial periods since 1864-69.
3. Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1919-20 to 1928-29.

QUINQUENNIAL REVIEW.

Constitution of the Forests.

The following review of Forest Administration in British India during the five years ending the 31st March 1929 is published for general information.

Forest Area.—At the close of the quinquennial period under review the forest areas in British India, including the Shan States, amounted to 249,822 square miles, of which 106,849 square miles are reserved, 6,308 square miles protected, and 136,665 square miles unclassed State forests, the whole representing 22·7 per cent. of the total area of British India (with the Shan States) or taking into account only reserved and protected forests, 10·2 per cent.

2. *Forest Surveys.*—The area surveyed by the Survey of India amounted to 7,198 square miles, and 750 sheets were published. The cost debited to the Forest Department on account of mapping and publishing and the cost of special surveys, etc., amounted to Rs. 11,47,660 as compared with a sum of Rs. 11 lakhs during the previous period.

Organisation.

3. *Administration and control.*—The appointment of Inspector General of Forests was held by Sir Peter Clutterbuck until the end of March 1926, when he proceeded on leave preparatory to retirement. On the 1st of April Mr. (now Sir Alexander) Rodger assumed charge of the double post of Inspector General of Forests and President, Forest Research Institute and College, and held this post until the end of the period under report except for 8 months in 1927 when he was on leave and Mr. H. S. Tireman, Chief Conservator of Forests, Madras, officiated. This arrangement was sanctioned by the Secretary of State in October 1926.

During the period now being reported on, the Inspector General of Forests visited Burma, Assam, Bengal, Madras, Coorg, the Central Provinces, Bombay, Punjab, Hazara, Bihar and Orissa, the United Provinces, the North-West Frontier Province, the Andamans, and Kashmir. An important step was taken by the Inspector General of Forests in March 1927 when at the request of the Chief Commissioner he visited a number of forests in the North-West Frontier Province and made proposals for the establishment of a proper Forest Department which would take charge of all the forests of which the Government of India could get control west of the Indus. Owing to financial stringency these proposals were not accepted until April 1930, but in that month an officer was appointed to hold charge of Conservator of the new circle. It is anticipated that these measures will lead to a great advance in forest conservation not only in the North-West Frontier Province itself but in tribal areas such as Chitral, Swat and Kohistan.

During the whole of the period under review "forests" were a transferred subject in the provinces of Burma and Bombay.

The peculiar circumstances of Burma have led to very little, if any, deterioration in the management of the very large and valuable forest estate which exists in Burma. A new service has been organised and the Government of Burma have made their own rules for recruitment and payment of the forest staff.

A further consequence of the "transfer" was separation of the administration of the forests in the Federated Shan States from that of the forests in the rest of Burma. In the Federated Shan States the Commissioner replaces the Chief Conservator of Forests as head of the Department; but the gazetted staff continues on the same cadre with that of Burma and the services of the Working Plans Circle are used for the control of forest management.

Recruitment and training.

4. (*a*) *Indian Forest Service.*—As a result of the recommendations of the Lee Commission it was decided that recruitment in future should be on the following basis—

75 per cent. Indians and 25 per cent. Europeans.

On the 1st November 1926 the new Indian Forest Service College at Dehra Dun was opened and the following students were trained and allotted to provinces and States between that date and July 1930. (This includes students still under training).

Year.	No. of students trained.	Allotted to
1926-28	2 (Government)	Madras.
	1 do.	Punjab.
	2	Tehri State.
	6 (Private).	
	1 (Extra Assistant Conservator from Assam).	
	12	
1927-29	3 (Government).	Central Provinces, Madras and Assam.
	2	Mandi & Kashmir State.
	1 (Private)	
	6	
1928-30	4 (Government)	
	1	Baroda State.
	5	

The future of the Indian Forest Service College at Dehra Dun is a matter of considerable uncertainty. As a result of the transfer of forests in two provinces, Bombay and Burma, the number of students who have been annually recruited for training at Dehra Dun has been very small. In certain provinces, for example in the Punjab and the United Provinces, the gazetted forest staff has been larger than the local Governments had any need for and this has led to a considerable reduction in the number of recruits who have been trained at Dehra Dun up to date. It was hoped that students would be sent for training at Dehra Dun from other parts of the Empire, such as the Malay States, South Africa, Kenya and Uganda, but up to date there has been no response to the letters sent to these parts of the Empire regarding the opportunities for scientific training available at Dehra Dun. Although the course is expensive it has not been found possible to run the College at a profit owing to the very small number of students who have been sent up for training. During the 5 years under review the following numbers of Europeans have been recruited by the Secretary of State for India and have been sent to India to the provinces named—

Province.	No. of recruits.
Madras	4
Burma	15
Central Provinces	3
Total	22

A feature of the five-year-period under review is the number of Indian students who have gone to the Universities in England and Scotland for training at their own expense with a view to obtaining appointment in the Indian Forest Service on return to India. It has been found possible to give appointments to very few of these officers, and it is to be hoped that Indian students will avoid this method of trying to get into the Indian Forest Service in the future as it is practically certain to lead to disappointment.

The first examination for the Indian Forest Service was held in Allahabad in August 1926 by the Inspector General of Forests and the examinations of 1927 and 1928 were held at Delhi by the Public Service Commission. The number of recruits appointed at these competitive examinations was as follows—

1926	2
1927	3
1928	4

The total number of officers in the Indian Forest Service in March 1929 was as follows—

(1) Europeans	230
(2) Indians	90
(3) Burmese	3

(*b*) *Provincial Forest Service.*—On the 31st March 1928, the last Provincial Forest Service students left Dehra Dun and since then the College has consisted of two branches namely the I. F. S. College and the old established Rangers College. Each province is now making its own arrangements for recruiting Provincial Forest Service officers.

(*c*) *Training of Rangers.*—During the five-year-period the Rangers College at Dehra Dun has continued to train rangers not only for the provinces of Upper India but for Kashmir and other Indian States. The number of students who obtained certificates were as follows :—

1925	16
1926	20
1927	16
1928	17
1929	15

Ranger students for Madras, Bihar and Orissa, the Central Provinces and parts of Southern India were trained at the Forest College at Coimbatore.

5. *Forest Engineering Service.*—As noted in the Quinquennial Review published five years ago, the Secretary of State for India sanctioned the formation of a Forest Engineering Service in 1919. It was hoped at that time that this service would develop into a useful organization, but these hopes have been falsified. With few exceptions it was found that there was little or no work of the special nature for which these officers were trained in the various provinces to which they were posted, and the result has been that a number of them have been or are being transferred from the Forest Engineering Service to the Provincial Forest Departments. No recruitment for this service has taken place since the year 1922.

In addition to the regular Forest Engineering Service a number of temporary Forest Engineers mostly from the United States of America were employed on special duty, mainly in Madras, but it has been found that it has been impracticable to give these officers work on such a scale as to justify the heavy expense of paying their salaries, and their services have now for the most part been dispensed with.

Conservation and Improvement.

6. *Fire protection.*—The area over which special fire protection was attempted shows a decrease of about one per cent. in 1928-29 as compared with the figure for 1923-24. It will be noted from the report for the last 5-year-period that considerable decrease took place in the area under fire protection. This decrease is still going on and the policy of most of the Forest Departments is to spend less money on fire protection as it has been found that in many parts fire protection does more damage to the forests of India than good. The percentage of forest protected during each of the five years under report was almost exactly 40 per cent. and the percentage of failure to area attempted has varied

during the same period from 4 per cent. in 1928-29 to 10 per cent. in 1924-25. The percentage of burnt areas must of course vary with the season as in very hot dry seasons, for example in the United Provinces in 1929, the areas burnt show a very considerable increase.

7. *Grazing.*—During the year 1928-29 over 14,170,000 animals were provided with grazing in State forests of all classes and out of this number no less than 4,889,000 grazed free. The figures for 1923-24 were 13,300,000 (4,800,000 free) and for 1918-19 were 13,300,000 (5,300,000 grazed free). Except in Burma the damage done to the forests by excessive grazing is one of the most important problems with which the Forest Department has to deal. This matter was brought very particularly to the notice of the Royal Commission on Agriculture and it was proposed that the officers of the Forest Department should endeavour to deal in a more scientific manner with the grazing problem. Forest officers will probably be sent to certain Agricultural Colleges and other Institutions where they may learn something of the different varieties of grass which provide useful fodder for animals. Undoubtedly, however, little progress will be made in India until it is realised that grazing should be scientifically utilised. Forest areas should be opened in rotation and more use should be made of cut fodder as, at present, the cattle trample more grass than they eat. In parts of India the public have shown little conception of the damage that is done to their own grazing grounds, both in and outside the forests, by the excessive number of useless cattle that are kept, and little progress can be looked for in this respect until the villagers learn to keep a few good cattle instead of very many useless animals.

8. *Afforestation.*—Good progress has been made in the important work of afforesting denuded ravine lands in the United Provinces. During the quinquennium the area of plantations increased from 10,000 acres to more than 16,000 acres. In the Punjab 1,171 acres had been reclaimed up to the end of 1928-29. A forest officer was put on special duty in the Punjab to deal with the problem of denudation of some of the hilly dry tracts and it is hoped that the great progress which has been made, for example in the Pabbi hills, will be extended to other parts of the Punjab, where excessive grazing has resulted in very serious damage not only to the growth on the ground but to cultivated areas lower down where floods from the barren hills destroy the villagers' fields.

The following extract is taken from the Review of Forest Administration in the United Provinces for the quinquennium :—

"But the change of policy has been relatively more important than mere territorial expansion. Previously the main object was the afforestation (with tree growth) of waste ravine lands in Agra, Etawah and Jalaun districts for commercial and protective purposes. It became obvious, however, that such tracts are not only the most difficult in the province to afforest (in some cases it is probably impossible), but that mostly they offer little or no prospect of a financial return. Therefore during the last 2 years there has been a notable increase of experimental and demonstration work in the chief types of waste lands that occur in the province (ravine land, *bhur*, *usar*, *khola*), including plantations along canals. Probably the most important feature is the interest shown by Zamindars and big land-owners in our demonstration areas, quite a number of whom have already started similar operations for improving their waste and uncultural lands at their own expense. It is evident that Government can never treat anything but a very small fraction of the waste lands in the Province which are estimated to cover 25,000 square miles, but if the Zamindars themselves become interested in the work, the possibilities of afforestation and improvement are greatly increased. This interest, shown by Zamindars, has resulted in an increased demand for advice and assistance, which necessitates increased staff in the Afforestation Division, and proposals for expansion are at present before Government. During the last two or three years, and especially as a result of the recent fodder famine, the importance of increasing fodder supplies in the plains districts has been more clearly recognised. The demonstration that mere protection from grazing will give hay crops on barren *usar* plains is a feature of the quinquennium that is already producing

practical results, and a number of *usar* areas have been and are being taken up for hay production. Similarly, the increased production of hay cheaply and easily on *bhur* and other waste lands by scattering the seed of good fodder grasses (combined with protection) is a proved fact that will have valuable economic results.

Summarizing the development of the Afforestation division work during the past quinquennium there is a decided tendency to develop more on the lines of the Agricultural Department (*i.e.*, experiment, demonstration and advice) rather than the usual commercial forestry of the Forest Department."

9. *Plantations.*—Expenditure on plantations continues to increase, the following being the figures for the last 5 years—

1924-25	6 lakhs.
1925-26	7 „
1926-27	8 „
1927-28	8 „
1928-29	9 „

The area brought under regeneration shows a steady and gratifying increase, and it is evident that a very important point is being realised in most provinces, and that is, that it is impossible to make very large areas of good plantations in any forest during any one year. During the tours of the Inspector General of Forests in various parts of India it was noticed over and over again that when endeavours were made to fell large areas of forests and to replace them with plantations it was almost certain that considerable areas would be failures. The population available for this work is limited and the subordinates who have to control it are often of an inferior description. Even in Burma where the local population take to plantation work very readily, it has been found to be a great mistake to endeavour to form large areas of plantations in any one year. It is being realised more and more that the success of new plantations depends principally on successful results in the first year, and there can be no greater crime in technical forest work than to cut a forest down without having taken proper measures to see that it can be replaced by a new forest. Scientific silviculture and plantations have received much more attention in the Andamans during the period than ever before.

10. *Communications and buildings.*—Expenditure on communications and buildings continues to increase, the figure in 1924-25 being 30 lakhs and that for 1928-29, 37 lakhs. Penetration into the more remote and isolated forests of India is steadily going on, and the extraction and utilisation of many valuable timbers must depend on useful means of communication. Burma having the largest area of forest naturally leads the way in expenditure on communications, the annual figure having risen at the end of the quinquennium to 10 lakhs: otherwise the larger provinces mostly spend 3 or 4 lakhs each on communications and buildings, and as a rule more is spent on new roads than on new buildings; but it is realised that one of the best methods of supervising forest work is to have good housing for the staff not only at headquarters but in the forests.

Exploitation and Commercial development.

11. *Outturn of forest produce.*—The average annual outturn of timber and fuel from all sources during the quinquennium under review was 347,800,000 cubit feet against an average of 340,000,000 cubit feet in the previous quinquennium. The amount of timber and fuel extracted from the reserved forests was less during the year 1928-29 than during any other period of the quinquennium, and this accounts to a considerable extent for the drop in the general figures for revenue. This figure may be accounted for by the general difficulties under which trade has been labouring for some time past. Minor products from the reserved forests, which include many products such as lac, on the other hand, kept their position, and the year 1928-29 shows almost as good figures as any other period of the quinquennium under review. Taking the total for timber and fuel from all sources the outturn was well maintained.

During the year 1928-29, 21,200,000 cubic feet were removed by Government and 146,000,000 by purchasers. These figures are of course very largely

affected by the Burma figures, as in that province very large quantities of teak are extracted by the more important lessees.

The trade in bamboos continues to be almost stationary—their value being about 19 lakhs of rupees per annum. Bamboos are as a rule mostly extracted by villagers for their own use and for sale in the larger towns. It may be expected that the various schemes for the exploitation of bamboos for the manufacture of paper will lead to a very great development in the trade in this product.

Grazing and extraction of fodder grass has been also stationary for each of the years of the quinquennium under review. It may be noted that with the exception of the more remote forests in Burma, Assam, &c., the maximum amount of grass and other minor forest products have been extracted for a considerable number of years.

12. *Exploitation.*—The five years now under report have witnessed the initiation and development of certain large schemes, especially in Madras, which have had very indifferent success. It was hoped in Madras, by means of modern American methods, to extract and utilise very large quantities of valuable timbers, but the final result of this work was to prove that this extensive exploitation was not justified either by the stand of timber in the forests or by the possibilities of satisfying markets. The general result of the work during the 5-year-period has been, that the local Government have adopted a much more cautious and conservative policy, and are now content with making small but regular profits.

An important measure was sanctioned by the Government of India for the development of the forests of the Andamans. Hitherto we have been obliged to employ elephants to extract the logs to the creeks among the Islands, but they have never been satisfactory, mainly because the climate and fodder is unsuitable for them, and we have never been able to touch more than the fringes of the 2,500 square miles of the Andaman forests. It has now been decided to employ American methods in the North Andamans and American logging machinery has been purchased, and an American expert has been engaged, to take charge of the work. This work, if confined to forests which are obviously suitable, should be in the highest degree advantageous for the future trade in Andaman timbers. Elsewhere in India a great part of the trade in timber and forest products lies in the hands of small contractors, who are, on the whole, trustworthy if sufficient control is maintained over their operations. In Assam the manufacture of tea-boxes of plywood has made great strides, and has been much assisted by the favourable terms given to the manufacturers. In the United Provinces there has been a considerable increase in the direct supply of railway sleepers, and forest tramways have been successful. During the five years period, more than one million teak trees were girdled.

Mechanical tractors have not proved a financial success in Bombay, but the seven saw mills in that province have paid their way, and at Allapilli in the Central Provinces the saw mill has paid for itself twice over during the five years.

Agencies for the sale of timber.

13. The only agents with which the Government of India dealt were Messrs. Martin & Company who still act as agents for the sale of Andaman timbers in Calcutta, and their London firm also takes part in the sale of Andaman timbers. The agency held by Messrs. W. W. Howard Brothers and Company for the sale of timber from the Andamans and other parts of India, in London, terminated in December 1926, but considerable difficulty has been experienced in winding up this agency and in obtaining a satisfactory settlement of accounts.

A Timber Adviser was appointed by the High Commissioner for India in 1927, and his business has been to deal with the trade in Andaman and other Indian timbers in the London market. It cannot be stated that this

trade has so far been brought to a satisfactory state, as the intense conservatism of the English timber trade, and the difficulty of obtaining a footing for little known timbers, have combined to make satisfactory sales very difficult. We may, however, expect that in the near future these conditions will become easier.

During the 5-year-period under report the following quantities of timber were disposed of from the Andamans—

	c. ft.
1924-25	1,133,820
1925-26	1,411,298
1926-27	1,610,187
1927-28	2,172,180
1928-29	2,469,416

The principal increase of exports took place to Calcutta.

Forest Management.

14. *Working Plans.*—The percentage of the total forest area in British India which is now under working plans has attained its highest figure in the year 1928-29, having risen from 45 per cent. in 1924-25 to 55 per cent. in 1928-29. It is gratifying also to record that in the important forest State of Kashmir very great progress has been made in bringing valuable forests of the State under proper working plans. During the last year of the quinquennium the most important additions to the area of forests under working plans were Bengal, 1,000 square miles, Burma 3,000 sq. miles and Madras 3,000 sq. miles. The total area under working plans rose from 54,000 square miles at the beginning of the quinquennium to 73,000 square miles at the end of the period, and it may be noted that many of these working plans are constantly being revised. The technical efficiency of these working plans varies considerably in different provinces. In Burma there are already 19,000 square miles under efficient working plans, while in Assam working plans have hardly begun. This has been the subject of a special note by the Inspector General of Forests when touring in that province. A number of the provinces have their own special Conservators or Deputy Conservators in charge of Working Plans, and this is a measure which should be adopted for all the larger provinces.

15. *Panchayat and Forest Village Systems.*—In March 1929 the total area under Panchayat management in Madras was 3,400 square miles. The control of these forests is now vested in the Board of Revenue and no technically trained officers are concerned in their management. It is too early as yet to decide whether this management by Panchayat is likely to be a success. Forest villages have continued to increase in number and will increase with the development of plantation work. Here also a note of warning must be struck, as it has been found that, unless forest villages are very carefully controlled, a great deal of forest and money are liable to be wasted.

Exhibitions.

16. The Forest Department was very well represented in the Indian and Burmese pavilions at the exhibition at Wembley in 1924. Messrs. W. W. Howard Brothers and Company, who were then Government agents for the sale of Indian timbers in England, were in charge of the exhibits, and deserve the utmost credit for the methods they employed to show Indian timbers to the best advantage. These exhibits were universally acknowledged to be the best timber exhibits in the whole of the exhibition at Wembley, and have resulted

in a greatly increased demand for many of the valuable and ornamental hardwoods of India, which have been employed on a considerable scale in the new India House at Aldwych.

Financial results.

17. The following statement shows the growth of forest revenue and expenditure during the past 65 years—the figures in all cases being the annual averages of the quinquennial periods :—

Quinquennial period.	Gross revenue (Average per annum).	Expenditure (Average per annum).	Surplus (Average per annum).	Percentage of surplus to gross revenue.
	Lakhs.	Lakhs.	Lakhs.	
1864-65 to 1868-69	37·4	23·8	13·6	36·4
1869-70 to 1873-74	56·3	39·3	17·0	30·2
1874-75 to 1878-79	66·6	45·8	20·8	31·2
1879-80 to 1883-84	88·2	56·1	32·1	36·4
1884-85 to 1888-89	116·7	74·3	42·4	36·3
1889-90 to 1893-94	159·5	86·0	73·5	46·1
1894-95 to 1898-99	177·2	98·0	79·2	44·7
1899-00 to 1903-04	196·6	112·7	83·9	42·7
1904-05 to 1908-09	257·0	141·0	116·0	45·1
1909-10 to 1913-14	296·0	163·7	132·3	44·7
1914-15 to 1918-19	371·3	211·1	160·0	43·0
1919-20 to 1923-24	551·7	367·1	184·6	33·5
1924-25 to 1928-29	595·4	351·1	244·2	40·9

Most of the provinces show a steady increase of surplus, fortunately not too large in any case.

The slump in trade of the last few years is now evident in the surplus for the year 1928-29 which has fallen to 227 lakhs, having been 256 lakhs in 1927-28 and 264 lakhs in 1926-27. The figure, however, is still a most favourable one and indicates that the forests of India are being properly worked for the benefit of the country.

Research.

18. *General.*—Under no heading is it possible to record greater progress than under the head of Forest Research during the 5 years now being reported on. In almost all provinces research has come into its own, and in all the major provinces special officers have been appointed for research in utilisation and silviculture. Special officers have also been appointed in some provinces to deal with research in botany and entomology. The general scope and organisation of the work of these research officers is based on the principles observed at the Forest Research Institute at Dehra Dun, where the Research Institute has developed on a very large scale during the 5-year-period now being reviewed. It was decided in 1920 that the old premises at Chandbagh were quite inadequate for the accommodation of the Research Institute, as now required for India, and 1,200 acres were acquired some two miles from Dehra Dun. On this site a very large building has been erected and the opening ceremony was

performed by His Excellency the Viceroy on November 7th 1929. In addition to the main building a large range of Economic workshops has been erected, and quarters for all the staff, from the President down to the lowest paid subordinates, have been supplied. The Institute is now in full swing, and is for the greater part fully occupied. During the year 1930 it is expected that the Bio-Chemist will occupy the new laboratories now being erected for his use and when his transfer takes place, the whole of the Research staff will be on the new site.

A list of the Publications of the Forest Research Institute during the five-year-period under review is given at the end of this report.

19. *Silviculture.*—The most striking development of silviculture during the 5-year-period has been the extension of plantation work. As a result of the appreciation of the fact that economic forestry must depend on the adoption, wherever possible, of some uniform method of management, modern working plans have prescribed in very many cases the formation of regeneration working circles. Intensive fellings have been carried out over certain confined areas, the idea being in most cases to replace the forest felled by means of plantations of various descriptions. The Burma system known as *taungya*, that is, a combination of agriculture with forestry, has been largely adopted in a number of the provinces of India. Nursery work has made very great strides. Plantations are now fenced, and seedlings are raised in very large quantities both in nurseries and on the original forest land. Along with this has gone the scientific development of thinnings, a most important point in connection with these young plantations.

In spite of all the investigations that have been carried out, the problem of the regeneration of sal in some of the valuable forests of the United Provinces has not yet been fully solved, and the scientific investigation of the regeneration of the splendid evergreen forests of Burma, Assam and the West Coast has only recently been started. These are two of the most important enquiries that are being carried out by the Forest Research Institute and the local Silviculturists, who are all working together for the solution of these problems.

A number of volume and yield tables have been published during the 5-year-period under review, and they will be of the utmost value to working plan officers and divisional officers.

In March 1929 a very large and representative number of forest officers attended the Silvicultural Conference at Dehra Dun, the most important Silvicultural Conference that has ever been held in India. The more important subjects dealt with at this Conference were as follows :—

1. The relations of Central and Provincial Silviculturists.
2. Revision of the Glossary of Technical Terms.
3. Standardisation of methods of experimental research.
4. Importance of the origin of seed in artificial regeneration.
5. Problem of the pure teak plantation.
6. Regeneration of evergreen forests.
7. Artificial regeneration with selection system in mixed forests.
8. Revision and compilation of Statistical Code.
9. Methods of research on thinnings.
10. Standardisation of methods of stock mapping and symbols.
11. Method of calculating sustained yield.
12. Rate of interest to be charged on afforestation and regeneration.

In no branch of forestry has such an awakening taken place among forest officers as in the development of silvicultural research. This subject has engrossed the attention of a large number of experts, and forestry methods in the provinces have developed very greatly of recent years as a result of these enquiries.

20. *Forest Economy.*—As a result of Mr. R. S. Pearson's long and able administration of the Forest Economic Branch, the Government of India now has at Dehra Dun a series of forest workshops and experimental laboratories without parallel anywhere else in the world. The value of the experimental work done in this Branch at Dehra Dun is daily exemplified by the unending stream of enquiries which are received from persons doing business in timber and other forest products, not only in India but in many other parts of the world. The officers in charge of this Branch have been for the greater part trained in Europe, America and the Continent, and their technical efficiency is now of a very high order. The greater part of the expenditure on the Forest Research Institute is incurred in the Economic Branch, the budget of this Branch being about 5 lakhs, out of a total of 10½ lakhs, in the year 1928-29.

A considerable amount of utilisation work has also been carried out during the period in Burma, and work has also begun in Madras, the United Provinces and Bengal.

The following are the main heads under which forest utilisation has been studied at the Forest Research Institute :—

Seasoning.—The progress made in scientific seasoning of valuable hardwoods of India in the two types of kilns employed has been very great. Chart showing how the principal timbers should be seasoned have been prepared and the trained staff is available to assist enquiries in organising scientific seasoning. The most important advance made is in the railway workshops at Lillooah, where kilns have been established on the lines advocated at Dehra Dun. As a result of experimental work, seasoning kilns have also been established in the Government Gun Carriage Factory at Jubbulpore. These were under the charge of Mr. Fitzgerald who was for a long time at Dehra Dun, and after leaving Dehra Dun organised the work at Jubbulpore and was in charge of the kilns until his death in 1930. It is hoped to establish kilns in the Andamans for the scientific treatment of the hardwoods obtainable there, as the extremely trying climate of these Islands prevents, to a considerable extent, the export of timbers to Europe in good condition. Seasoning kilns have also been built in Madras and Burma, and the science of seasoning is gradually being understood elsewhere in India.

Wood Preservation.—For a considerable part of the period under report the Wood Preservation Section was unfortunately without an experienced officer in charge. The most important item of research in this section is the treatment of railway sleepers, and during the period under review very great progress was made in the experimental treatment of many hardwoods, to make them fit for use as sleepers in the Railways of India. One of the aims of this section is to prove to the Railways that Indian timbers, although they may be originally perishable and liable to attack by white ants, can be treated in such a way that they will compete on favourable terms with other timbers, which have been imported in considerable quantities from foreign countries, such as *Eucalyptus* from Australia. Research methods have met with much success, and wood preservation plants have been erected by the North Western Railway at Dhilwan, where many thousands of sleepers are treated annually. This research is of the greatest importance to the Forest Department as it is necessary at the present moment to contend with the increasing use of steel railway sleepers by all important railways.

Timber Testing.—This is a large section of the Economic Branch and has done an immense amount of good work. Under the charge of Mr. Seaman it has developed very greatly, and has now produced results of the utmost value to all timber users in this country. During the last year of the period under report 41,000 mechanical tests were carried out and 39,000 physical determinations. The number of computations in the computing office was 41,000, and many letters and reports were issued. The following important subjects may be mentioned as having been under investigation during the 5-year-period :—

> Parts of æroplanes; plywood; timbers for railway carriage work; Picker arms in jute and cotton mills; timbers for piles under water; tea chests; timbers for rifle stocks; timbers for boat building.

The results of the experimental work in this section are tabulated in such a way that they can be easily used by all those interested in the strength of the timbers, and the results are always published immediately they are available.

Paper Pulp.—Mr. Raitt, officer in charge of the Paper Pulp section, left the Institute in March 1929, and Mr. Bhargava, who had been on deputation to Europe and America, took over charge at that time. The paper and pulp plant has continued to operate successfully throughout the period under review. Many valuable investigations have been carried out, specially with regard to bamboos, one of the most important forest products of Assam, Burma, Madras and Bombay. Although the results at Dehra Dun have not yet led to any very striking commercial success in making pulp from bamboo and grass, it is expected that within a short time one or two large companies will be floated to undertake this work, probably in Burma. In the meantime, work on a small scale has been carried out in Madras and in Calcutta. Woods and grasses have also been the subject of investigation, and much valuable advice has been given on this subject.

Wood Technology.—Dr. Brown, an American who had been employed at the Forest Research Institute for 1½ years, left Dehra Dun in 1923. After that, no officer was appointed to the charge of this important section for some time, but in the year 1929 Mr. Chowdhury, who had been under training in America under Dr. Brown for two years, was appointed to the charge of the section. A knowledge of the structure and qualities of wood is of the utmost importance to all research officers who deal with utilisation, and this section has made considerable progress during the period. In 1925 Dr. Brown published a Manual of Indian Wood Technology, which, although termed "elementary" contained much more than any volume published on this subject before. Dr. Brown and Mr. Pearson are now engaged in the compilation of a very important work on the more important timbers of India. This will be published by the Clarendon Press and will contain full accounts of all the important timbers together with micro-photographs of wood structures.

Minor Products.—This section was more or less in abeyance for a considerable time, but a special officer of the Forest Department from Madras was appointed to the charge of the section in 1926. The organisation of the section has taken a considerable time, but useful work has been carried out, specially with regard to medicinal plants, charcoal, resins, briquetting, match manufacture, fibres and turpentine.

Wood Workshops.—During the 5-year-period the wood workshops in their new home have done an immense amount of most useful work. In addition to training Indian carpenters, most valuable investigations have been carried out in the use of Indian woods for plywood, and into the use of hardwoods for making furniture and other goods of many descriptions. The section to a considerable extent is supplementary to the other sections, such as Timber Testing, Seasoning and Wood Preservation. A great deal of original and valuable work has also been done by Mr. Nagle, the officer in charge of this section. Mr. Nagle is now devoting his energies principally to the enquiry into Indian woods for plywood. It is to be hoped that as a result of the recommendations of the Tariff Board an experimental match factory may be established at Dehra Dun, but this has not yet been found possible.

21. *Forest Botany.*—During the 5-year-period, Forest Botany has made great strides in Burma and at the Central Research Institute. Systematic Botany has taken the first place in the work and much help has been given to Forest Officers all over India in the identification of specimens. The Forest Botanist has continued to work on Duthie's Flora of the Gangetic Plains, and it is now approaching completion. Experiments have been made to test the effect of soil inoculation on the growth of plants. The gardens in charge of the Forest Botanist have been much improved, many rare and valuable plants have been grown, and a great deal of seed has been supplied to enquirers in various parts of the world.

The work done in Mycology has been most valuable. The newly appointed Mycologist has produced an authoritative record on *Peridermium*, which has

been published. In Burma the Forest Botanist has succeeded in greatly increasing our knowledge of the flora of that province.

The investigation of the spike disease in sandal has been carried on in Mysore, Madras and Coorg during the five years, but no definite results are available so far.

22. *Forest Entomology.*—Great progress was made under the head of Forest Entomology, not only at Dehra Dun, but also in Burma. The most important insects which have been under special investigation are—the teak bee-hole borer in Burma; the sal borer in the United Provinces and the Central Provinces; and the teak defoliator of Madras. Continuous and well organised research work has been carried out in connection with these insects. The laboratories and collections at the new Forest Research Institute are well equipped, and on a very large scale, and the staff is well trained and has completed a great deal of good work. Besides the three pests named above, many other minor insect plagues have been investigated. The Forest Entomologist and Systematic Entomologist are in correspondence with experts all over the world, and the Institute at Dehra Dun has acquired an international reputation.

23. *Chemistry.*—The work of the Forest Chemist is to a considerable extent auxiliary to the other branches at the Forest Research Institute. The investigations of various forest medicinal plants, of forest soils, of turpentine, of wood preservatives, may be mentioned as the main headings under which investigations have been carried on, but the Forest Chemist has continually to assist all the Branch officers in their many varied enquiries. It has been found necessary to increase the establishment recently.

Forestry Committee.

24. In February and March 1929 a Committee appointed by the Government of India investigated the work of the Forest Research Institute at Dehra Dun, and made recommendations regarding its future lines of work. The members of the Committee were Sir Chunilal Mehta, Chairman, Professor Lindemann of Oxford and Mr. Wroughton of the Bombay Burma Trading Corporation, Limited, Rangoon. The Committee made a most careful investigation into all the work at the Institute and their principal recommendations were as follows:—

(1) The constitution of an Advisory Board with representatives from the Governors' provinces, the Railway Board, and Chambers of Commerce.

(2) A recommendation that more control should be given to the President.

(3) The appointment of a Director of Research who must be a first class scientist. He will be subordinate to the President, Forest Research Institute and College.

(4) The appointment of a Personal Assistant to the Inspector-General of Forests and President, Forest Research Institute and College.

(5) Centralisation of Branch offices.

(6) Improvement of methods of recruitment of the sectional officers and subordinates.

(7) The necessity for training officers abroad and for keeping in touch with other similar Institutions by means of visits. Stress was also laid on maintaining intimate touch with forest officers in provinces, with the Railways, etc.

Protection of the Fauna of the Country.

25. During the 5-year-period under review, public interest was considerably stimulated regarding the protection of the splendid fauna of British India

and Burma. The Society for the Protection of the Fauna of the Empire has had a considerable number of recruits in India, and measures have been taken where possible to protect the rarer animals which are in danger of extermination. In Burma, especially, progress has been made in this respect, a forest officer having been put on special duty as Game Warden to protect the animals. Useful sanctuaries have been made in Burma and elsewhere, where wild animals may be seen in their native haunts. During the 5-year-period 1,200 elephants were captured in Burma. The greatest difficulty encountered in protecting wild animals in India is the fact that guns which are nominally issued for the protection of crops are frequently used by poachers. Many of the finest game animals in India will certainly be exterminated if the issue of guns is not better controlled than at present.

A. RODGER,

Inspector-General of Forests to the Government of India.

DEHRA DUN ;
The 12th July, 1930.

III-2-22

List of Forest Publications issued by the Forest Research Institute, Dehra Dun, during the 5-year-period ending 31st March 1929.

1.—BULLETINS (NEW SERIES.)

No.		Rs.	A.	P.
56.	—A Report on the Tan Values of Indian Myrobalans and Burma *Terminalias*, by J. A. Pilgrim.	0	6	0
57.	—Tan Investigation of the Burma Hill Pine, *Pinus Khasya* bark and *Pyinkado, Xylia dolabriformis*, by the same author.	0	3	0
58.	—General Volume Tables for *Chir* (*Pinus longifolia*), by S. H. Howard .	0	8	0
59.	—Summary of results of Treated and Untreated Experimental Sleepers laid in the Various Railway Systems of India, by J. H. Warr.	1	14	0
60.	—Note on *Ainee* (*Artocarpus hirsuta*, Lamk), by C. C. Wilson . . .	0	7	0
61.	—Eucalyptus in the Plains of North-West India, by R. N. Parker . .	0	5	0
62.	—Preliminary Yield Table for *Dalbergia Sissoo*, by S. H. Howard . .	0	2	0
63.	—Eucalyptus Trials in the Simla Hills, by R. N. Parker	0	8	0
64.	—Summary of results of Laboratory Experiments with different wood Preserving Antiseptics, by S. Kamesam.	1	12	0
65.	—Tables for bark deductions from logs, by S. H. Howard	0	3	0
66.	—A Note on the Working Qualities of some Common Indian Timbers, by H. E. Kinns.	0	10	0
67.	—Chir (*Pinus longifolia*) Seed Supply, by S. H. Howard	0	3	0
68.	—Notes on the Comparative Economic Cost of Wood and Metal Sleepers in India, and Cost of Treatment, by J. H. Warr and H. Trotter (*withdrawn*).		...	
69.	—The Mechanical and Physical Properties of Himalayan Spruce and Silver Fir, by L. N. Seaman, assisted by C. R. Ranganathan.	1	1	0
70.	—Hoplocerambyx spinicornis—An Important Pest of Sal, by D. J. Atkinson	0	15	0

2.—RECORDS.

Vol. X,	Part VIII.—The Constituents of some Indian Essential Oils, Part XIII—The Essential Oil from a New Species of *Andropogon* occurring in the Etawah District, by J. L. Simonsen.	0	3	0
„ X,	„ IX.—Tannin investigation of some Burmese *Dipterocarps*, by J. A. Pilgrim.	0	7	0
„ X,	„ X.—The Mangroves of South Tenasserim, by the same author.	0	15	0
„ X,	„ XI.—Report on Burma Oak and Chestnut Tans, by the same author.	1	1	0
„ XI,	„ I.—The Constituents of some Indian Essential Oils, Parts XIV-XV, by J. L. Simonsen.	0	3	0
„ XI,	„ II.—Contributions towards a knowledge of Twisted Fibre in trees, by H. G. Champion.	2	8	0
„ XI,	„ III.—Regeneration with the assistance of *Taungya* in Burma, by H. R. Blanford.	1	4	0
„ XI,	„ IV.—On Some Indian Brenthidæ, Parts I—III, by Richard Kleine, C. F. C. Beeson and J. C. M. Gardner.	1	5	0
„ XI,	„ V.—The Constituents of some Indian Essential Oils, Part XVI, by M. Gopal Rau.	0	12	0
„ XI,	„ VI.—The Constituents of some Indian Essential Oils, Part XVII, by M. Gopal Rau and J. L. Simonsen.	0	2	0
„ XI,	„ VII.—Volume Tables for Teak (*Tectona grandis*) and Sal (*Shorea robusta*) for the Central Provinces, by V. K. Maitland.	0	9	0
„ XI,	„ VIII.—The Economic Importance and Control of the Sal Heartwood Borer, by C. F. C. Beeson and N. C. Chatterjee.	1	4	0
„ XI,	„ IX.—Summary of Investigations on Bamboos and Grasses for Paper Pulp, by W. Raitt.	0	8	0
„ XI,	„ X.—Notes on the Antiseptic Treatment of Assam Timbers for Railway Sleepers, by J. H. Warr assisted by S. Kamesam.	1	14	0
„ XII,	„ I.—Volume and Outturn Tables for Sal, by S. H. Howard .	1	2	0
„ XII,	„ II.—Identification of Immature Stages of Indian *Cerambycidæ*, I, *Cerambycini*, by J. C. M. Gardner.	0	8	0
„ XII,	„ III.—Second Interim Report on Work under Project No. I, by L. N. Seaman.	1	12	0
„ XII,	„ IV.—Yield Table for clear-felled Sal Coppice, by H. Howard.	0	8	0
„ XII,	„ V.—Yield and Volume Tables for Chir, by the same author .	1	0	0
„ XII,	„ VI.—Yield and Volume Tables for Deodar, by the same author.	0	8	0
„ XII,	„ VII.—Descriptions of new species of Niponiidæ and Cerambycidæ from India, by J. C. M. Gardner.	0	6	0

2.—RECORDS—*contd.*	Rs.	A.	P.
Vol. XII, Part VIII.—Note on some Indian Cleridæ, Part I, by J. B. Corporaal, and Part II, by C. F. C. Beeson.	0	5	0
„ XII, „ IX.—Notes on Artificial Regeneration in North India, by S. H. Howard.	1	6	0
„ XII, „ X.—On Some Indian Coleoptera, Part I, by E. Fleutiaux, and Part II, by J. C. M. Gardner.	0	4	0
„ XIII, „ I.—Illustrations of Indian Forest Plants—Part I, Five Species of *Dipterocarpus*, by R. N. Parker.	1	0	0
„ XIII, „ II.—Identification of Immature Stages of Indian Cerambycidæ, II; and Descriptions of Three Indian Beetle Larvæ (Carabidæ, Col.) by J. C. M. Gardner.	1	4	0
„ XIII, „ III.—Commercial Volume Tables for Sal in the wet mixed forests of the Bengal *Duars*, by Parma Nand Suri.	0	6	0
„ XIII, „ IV.—Volume Tables for Sundri in the Sunderbans, Bengal, by the same author.	0	10	0
„ XIII, „ V.—Epidemic attacks by the Sal Heartwood Borer (*Hoplocerambyx spinicornis*) in the forests of South Mandla Division, C. P., by W. A. Muir.	2	10	0
„ XIII, „ VI.—On some Indian Coleoptera, Hemiptera and Thysanoptera, Part I, by R. Kleine, Part II, by A. Thery, Part III, by O. C. Ollenbach; Part IV, by Carl J. Drake; and Part V, by Dudley Moulton.	1	6	0
„ XIII, „ VII.—Slash in Chir Pine (*Pinus longifolia*) Forests; Causes of Formation, its Influence and Treatment, by J. E. C. Turner.	3	6	0
3.—MANUALS.			
Explanatory Notes on Forest Law (3rd Edition)	2	2	0
Manual of Forest Mensuration, Revised by C. E. Simmons	3	14	0
An Elementary Manual on Indian Wood Technology, by H. P. Brown . . .	4	0	0
4.—LECTURE NOTES.			
Special Lecture Notes on the Minor Forest Products of India for Indian Forest Students, by H. Trotter.	1	6	0
Special Lecture Notes on the Preservation of Timber for Indian Forest Students, by J. H. Warr.	1	6	0
Special Lecture Notes on Pulp and Paper Making for Indian Forest Students, by W. Raitt.	0	8	0
Special Lecture Notes on Timber Strengths and Timber Testing for Indian Forest Students, by L. N. Seaman.	3	6	0
Special Lecture Notes on Timber Seasoning for Indian Forest Students, by S. Fizgerald and S. N. Kapur.	1	6	0
Special Lecture Notes on Sawmill, Wood Workshop and Tool Room Management for Indian Forest Students, by W. Nagle.	0	12	0
5.—OTHER PUBLICATIONS.			
Forest Research Institute and College Calendar, 1925	5	6	0
„ „ „ „ „ 1928	6	14	0
Progress Report of Forest Research Work in India for 1923-24 . . .	2	8	0
„ „ „ „ „ „ „ 1924-25 . . .	2	12	0
„ „ „ „ „ „ „ 1925-26 . . .	2	14	0
„ „ „ „ „ „ „ 1926-27 . . .	4	0	0
„ „ „ „ „ „ „ 1927-28 . . .	4	12	0
Progress Report of the Imperial Forest College, Dehra Dun, for 1923-24 . .	1	6	0
„ „ „ „ „ „ „ „ 1924-25 . .	1	8	0
„ „ „ „ „ „ „ „ 1925-26 . .	2	14	0
„ „ „ „ „ „ „ „ 1926-27 . .	1	12	0
„ „ „ „ „ „ „ „ 1927-28 . .	3	2	0
The Development of India's Forest Resources, compiled by the Economic Branch .	2	12	0
Project No. II.—Tests of Indian Timbers in Structural Sizes, by L. N. Seaman .	0	8	0
Project No. IV.—Mechanical Strength, Seasoning properties, Treatment of and Key to Certain Indian Sleeper Woods, by R. S. Pearson, L. N. Seaman, C. V. Sweet, J. H. Warr and H. P. Brown.	0	9	0
Project No. V.—Testing of Raw Materials (Paper Pulp Section), by W. Raitt .	0	5	0
Project No. VII.—Kiln Seasoning of Indian Timbers, by S. Fitzgerald and S. N. Kapur.	1	4	0
Key to Families of Flora Simlensis, compiled by R. Banerjee	1	0	0
A System of Filing Information on Forestry, by S. H. Howard	2	14	0
Forest Flora of the Chakrata, Dehra Dun and Saharanpur Forest Divisions, U. P., by Upendranath Kanjilal, Third edition, revised and enlarged by Basant Lal Gupta.	3	3	0
Elementary Silviculture in Urdu, by Muhammad Hakimuddin	1	8	0
Elementary Silviculture in Hindi, by the same author	3	0	0

STATEMENT I.

Area of forests under the control of the Forest Department.

Province. Name.	Area in square miles.	Forest area in square miles. Reserved.	Protected.	Unclassed State.	Total.	Percentage of forests to whole area of Province.	Remarks.
1	2	3	4	5	6	7	8
Bengal	76,755	(a) 6,462	(b) 628	3,445	10,535	13·7	(a) Includes 20 square miles of reserved forests not under the management of Forest Department. (b) Includes 11 square miles of other protected forests not under the control of Forest Department.
United Provinces	106,720	(c) 5,159	4	38	5,201	4·8	(c) Includes 1 square mile of leased forests.
Punjab	97,281	(d) 1,532	(e) 3,210	(f) 599	5,341	5·5	(d) Includes 359 square miles of leased forests but excludes 500 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 71 square miles not under the control of the Forest Department. (f) Excludes 235 square miles of forest and village forest lands.
Burma	182,593	29,190	...	(g) 93,784	122,974	67·3	(g) Includes 6,613 square miles without forest growth.
Federated Shan States	60,614	3,037	...	21,541	24,608	40·6	
Bihar and Orissa	83,083	1,799	(h) 1,271	3	3,073	3·7	(h) Excludes 681 square miles not under the control of Forest Department.
Assam	55,156	6,105	...	14,302	20,407	36·9	
Central Provinces (including Berar).	99,951	(i) 19,641	...	...	19,641	19·6	(i) Includes 174 square miles of leased forests.
Coorg	1,582	519	...	...	519	32·2	
North-West Frontier Province.	13,183	(j) 245	(k)	...	245	1·8	(j) Excludes 14 square miles of Civil and Military Reserved Forests. (k) Excludes 105 square miles of civil protected forests and 133 square miles of Guzara forests.
Ajmer	2,767	141	...	...	141	5·1	
Baluchistan (portions under British Administration).	54,228†	313	...	472	785	1·4	
Andamans and Nicobar	3,143†	52	...	2,138	2,190	69·6	(l) Includes 27 square miles of Tekadi leased forests and 52 square miles of Ryots forests handed over to Panchayats.
Madras	143,257	(l) 18,914	...	(m) 343	19,257	13·4	(m) Reserved lands.
Bombay (including Sind)	123,280	13,710	1,195	...	(n) 14,905	12·1	(n) Includes 2,586 square miles of reserved and protected forests not under the management of the Forest Department.
Total 1928-29	1,103,593‡	106,849	6,308	136,665	249,822	22·7	
,, 1927-28	1,103,579‡	105,588	7,658	136,864	250,110	22·6	
,, 1926-27	1,000,146‡	105,285	8,626	137,844	251,755	22·8	
,, 1925-26	1,099,888‡	105,041	8,405	138,834	252,280	22·9	
,, 1924-25	1,099,972‡	103,764	8,278	117,854	229,896	20·8	
		2,870	...	21,575	24,445	...	For Federated Shan States.

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1928-29.

Province.		Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
		Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1		2	3	4	5	6	7
					Rs.	Rs.	Rs.
Bengal		1,187	11	1,203	1,079	...	269
United Provinces		5	10	3	...	...	...
Punjab		16	16	...	...	...	...
Burma		144	1,793	434	2,187	...	...
Federated Shan States		...	64	30	30	...	...
Bihar and Orissa		1	2	...	...	...	...
Assam		22	69	3	16	...	...
Central Provinces		...	...	...	...	...	...
Coorg		...	...	...	...	...	...
North-West Frontier Province		9	9	...	...	...	...
Ajmer		...	...	...	...	...	...
Baluchistan		...	...	...	...	...	...
Andamans		...	52	...	...	...	...
Madras		1	118	11	...	...	...
Bombay		48	156	31	...	...	...
Total	1928-29	1,433	2,300	1,715	3,312	...	269
	1927-28	579	1,979	2,322	28,133	...	243
	1926-27	448	2,506	570	32,702	...	...
	1925-26	342	2,520	666	10,132	...	...
	1924-25	651	2,662	1,056	11,003	...	15

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	262	1,139	1,295	2,696	125	1,174	3,995	1,999	8,636
United Provinces .	25	2,870	5,762	8,637	2	2,853	11,492	2,679	20,862
Punjab . . .	23	1,828	6,524	8,375	5	1,418	9,798	1,349	5,980
Burma . . .	357	3,316	13,949	17,622	157	3,307	21,086	5,306	33,505
Federated Shan States	15	277	1,049	1,341	...	523	1,864	559	1,844
Bihar and Orissa .	101	2,842	1,866	4,809	40	384	5,233	704	2,862
Assam . . .	9	1,237	1,315	2,561	20	2,302	4,883	519	10,401
Central Provinces .	372	7,995	23,388	31,755	60	3,351	35,121	67	20,704
Coorg . . .	...	92	377	469	...	67	536	...	2,223
North-West Frontier Province.	...	118	659	777	...	139	916	...	1,153
Ajmer . . .	...	13	220	233	...	158	391	...	297
Baluchistan . .	...	2	456	460	...	77	637	47	5
Andamans . .	...	...	...	36	36	23	59	...	...
Madras . . .	259	15,924	6,431	22,602	408	2,465	26,282	6,850	3,942
Bombay . . .	100	25,126	13,034	38,260	46	2,820	41,126	680	3,706
Total 1928-29 .	1,523	62,759	76,327	140,633	898	21,061	163,419	20,759	1,16,120
1927-28 .	816	63,675	75,613	136,037	1,057	20,936	162,044	16,509	1,07,783
1926-27 .	1,095	63,936	76,880	141,769	1,134	20,713	163,580	25,996	99,782
1925-26 .	438	68,957	79,504	149,412	1,405	20,872	171,613	9,849	1,05,757
1924-25 .	903	69,697	78,784	149,863	1,606	21,228	192,697	17,101	1,00,429

STATEMENT IV.

Forest survey Operations from 1st April 1928 to 31st March 1929.

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
		1" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1928-29.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527	.....	
Assam	...	...	...	...	...	...	...	...	5684·1	.....	
Bengal	Buxa	13	...	...	...	...	...	45·13	4751·7	.....	
Bihar and Orissa.	Hazaribagh	18·36	...	...	...	...	...	(a) 18·36	2109·95	.....	(a) Of this 15·97 Sq. Miles are supplementary survey and 2·39 sq. miles original survey. Cost of surveys not debitable to Forest Department.
	Palamau	3·33	...	...	...	...	...	3·33			
N.-W. F. P.	...	...	...	...	...	...	...	...	465·00	.....	
Baluchistan	...	...	...	...	...	...	...	...	241·3	.....	
Punjab	Changa Manga	...	...	...	...	20·0	64·6	20·0	4385·0	1,001 0 0	
United Provinces.	...	...	...	...	...	...	...	...	7142·7	.....	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Madras	Lowar Godavari	...	...	116	53·3	...	...	(b) 116	18211	6,120 0 0	(b) Actual survey 42 sq. miles overlap survey 74 sq. miles.
India	...	...	...	...	...	...	...	...	...	.....	
Coorg	...	...	...	...	...	...	...	...	478	.....	
Central Provinces.	...	...	...	...	...	...	...	...	19535	.....	
Bombay	...	...	...	...	...	...	...	...	13232·9	.....	
Burma	Henzada and Maubin	764·13	...	...	...	4·65	...	768·78			8·5 L. M. of Boundary Survey.
	South Arakan	205·28	...	...	...	...	... (c)	205·28			(c) Cost is not debitable to Forest Department.
	Thayetmyo	15·36	...	...	...	...		15·36			

STATEMENT IV—*contd.*

Forest survey Operations from 1st April 1928 to 31st March 1929—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	Cost rate.	2" Detail survey. Area.	Cost rate.	4" Detail survey. Area.	Cost rate.	Total area of detail survey. 1928-29.	Total up to date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Burma—*contd*	South Pegu	...	...	6·0	...	45·00	...	(*e*) 51			(*e*) Includes Rs. 112 cost of 2 L. M. traversed after 31st March 1928, Rs 1,037 cost of computation of 61 L. M. traversed (59 L. M. last year 2 L. M. this year), Rs. 8,304 cost of 31 sq. miles surveyed before 31st March 1929 cost of balance 8 miles will appear in 1929-30, and cost of 23 L. M. of traversing commenced after 31st March 1929, and completed before 30th June 1929 will appear in next return for 1929-30, also cost of 6 sq. miles of Tamabin Reserve Forest Revised on 2-inch scale.
	Katha	...	...	...	...	64·18	...	(*f*) 64·18			(*f*) Excludes 4·75 sq. miles of unclassed forests.
	Mansi	...	...	...	...	166·69	...	(*g*) 166 69	256140	2,43,670 0 0	(*g*) Excludes 0·08 sq. miles of unclassed forests.
	Upper Chindwin (*h*)	...	...	...	...	...	...	...			(*h*) 116·7 L. M. of boundary traversing and 98·3 L. M. of tie lines were done cost for this not paid for by Forest Department.
	Insein (*d*)	...	...	...	...	...	...	...			(*d*) Includes Rs. 5,465 cost of 18 sq. miles on 4-inch scale surveyed last year and cost of fair mapping. Includes Rs. 867 the cost of traverse computation of 51 L. M traversed last year and Rs 860 cost of survey of 4 sq. miles surveyed after 31st March 1928 in season 1927-28.
	Magwe	...	...	...	...	...	...	...			
	Meiktila	...	...	...	...	...	...	...			
	Yamethin	...	...	...	...	...	...	...			
	Prome	...	...	...	...	...	...	...			
	Delta	...	...	...	...	...	...	...			
	Thaton	...	..	...	...	...	...	...			
	Mu (*i*)	...		...	...	...	...	...			(*i*) Cost of survey to end of field season 1927-28. (area reported in form 10 of last year) and cost of mapping.
										Rs. A. P.	Rs.
TOTAL 1928-29	1st April 1928 to 31st March 1929.	1006·46	...	122	...	300·52	...	1474·11	102549·73	2,50,791 0 0	36,000
,, 1927-28	1st April 1927 to 31st March 1928.	1271·50	...	38	...	1773·82	...	3083·32	101075·62	2,25,339 0 0	36,000
,, 1926-27	1st April 1926 to 31st March 1927.	477	...	743	...	162	...	1382	97982	2,19,371 6 0	36,000
,, 1925-26	1st April 1925 to 31st March 1926.	382	...	215	...	409	...	1006	96600	2,46,983 2 0	36,000
,, 1924-25	1st April 1924 to 31st March 1925.	756	...	61	...	395	...	1212	95594	2,05,175 11 0	30,000

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.				Revisions.			
				At close of year.			Plans not under preparation.						
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,816	1 098	1,103	6,811	64	1	...	3,723	10,535	...	4,776	...	6,059
United Provinces	5,025	6	59	4,972	95	105	1	63	5,201	...	1,466	702	44,424
Punjab	2,511	...	3	2,508	47	200	1	2,633	5,242	...	557	138	2
Burma	15,724	3,244	53	18,915	65	6,238	1,215	2,822	(a) 29,190	43	3,777	1,191	69,657
Federated Shan States	1,136	...	...	1,136	37	87	44	1,800	(a) 3,067	184	...	...	...
Bihar and Orissa	2,044	...	...	2,044	66·51	184	...	845	3,073	...	323	94	1,763
Assam	246	...	...	246	1·2	1,706	2,864	15,591	20,407	314	...	...	7,437
Central Provinces	17,292	225	9	17,508	89	...	22	2,111	19,641	533	1,584	3,546	...
Coorg	519	...	...	519	100	...	...	...	519	519	140	...	...
North-West Frontier Province.	245	...	...	245	100	...	...	...	245	...	76	...	2,457
Ajmer	141	...	...	141	100	...	...	...	141	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	785	785	...	...	...	...
Andamans	708	...	...	708	32·4	...	...	1,482	2,190	254	...	...	...
Madras	5,823	2,945	...	8,768	46	3,514	2,524	4,378	(b) 19,020	...	...	...	...
Bombay	8,335	226	212	8,349	67	373	600	3,230	(c) 12,552	1,130	580	225	9,910
Total 1928-29	66,565	7,744	1,439	72,870	55·2	12,468	7,271	39,463	131,908	2,977	13,279	5,896	1,41,709
„ 1927-28	63,491	1,953	126	65,245	41·7	10,695	13,253	42,409	132,340	2,904	17,206	1,282	88,828
„ 1926-27	60,089	4,021	316	63,717	47·8	10,254	14,164	44,335	133,135	5,128	13,698	1,564	2,08,293
„ 1925-26	61,439	303	269	60,950	46·2	10,855	17,442	42,761	132,682	4,795	8,700	254	1,74,586
„ 1924-25	51,313	3,580	530	54,354	44·6	9,421	16,794	41,228	121,718	4,323	6,230	1,493	1,09,30

(a) Excluding unclassed forests.

(b) Includes 88 square miles of reserved lands and 45 square miles of leased forests under working plans, which if added to figures shown in column 3 of Statement I (excluding Tekadi leased forests 27 square miles) will agree with this total.

(c) Includes 233 square miles of Kanara Coast Division, which if added to figures shown in column 6 of Statement I (after deducting 2,586 square miles not under Forest Department) will agree with this total.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	61,765	8,625	48,347	49,436	20,593	1,88,766
United Provinces	99,351	34,906	1,29,725	1,42,342	30,688	4,37,012
Punjab	68,793	18,737	27,182	34,204	15,478	1,64,194
Burma	2,45,786	3,75,366	1,21 791	1,67,125	86,820	9,96,888
Federated Shan States . . .	6,926	9,628	5,185	4,819	1,191	27,749
Bihar and Orissa	58,009	30,037	26,253	36,097	11,468	1,61,864
Assam	68,407	44,461	56,584	1,41,237	23,547	3,34,236
Central Provinces	1,06,821	1,19,419	67,275	88,439	47,611	4,29,565
Coorg	5,443	6,447	6,349	5,351	1,895	26,085
North-West Frontier Province .	20,611	19,265	2,823	4,891	1,495	49,085
Ajmer	2,639	699	258	1,280	745	5,621
Baluchistan	647	...	192	95	...	934
Andamans	56,935	2,460	9,904	697	60,667	1,30,663
Madras	1,12,475	89,259	66,225	99,914	13,053	3,79,926
Bombay	73,758	1,39,210	39,136	1,06,080	16,444	3,74,664
Total 1928-29 .	9,88,396	8,98,325	6,07,229	8,82,607	3,30,695	37,07,252
,, 1927-28 .	11,04,650	7,30.363	5,95.873	9,93,460	2,51,631	36,75,977
,, 1926-27 .	9,46,939	8,27,657	5,54,743	8,85,997	2,56,612	34,71,948
,, 1925-26 .	5,76,767	5,32,838	5,18,251	7,68,474	2,19,498	26,65,828
,, 1924-25 .	8,72,745	6,65,589	5,10,974	7,07,558	2,01 766	29,58,362

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1927-28.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	54	...	131	18	69	218	272	138	426	30	153	168	579	95
Bengal . . B.	96	2	1,422	1,698	1,254	4,376	4,472	4,400	7,829	5	5	4,405	7,834	66
Bengal . . C.	...	34	286	6	19	345	345	...	...	...	...	...	...	...
Total .	150	36	1,839	1,722	1,342	4,939	5,089	4,538	8,255	35	158	4,573	8,413	161
United Provinces. A.	36	17	33	26	43	119	155	78	299	19	72	97	371	57
United Provinces. B.	470	118	1,644	1,775	987	4,524	4,994	4,015	10,441	389	869	4,404	11,310	590
United Provinces. C.	...	190	70	13	42	315	315	...	...	...	...	...	...	...
Total .	506	325	1,747	1,814	1,072	4,958	5,464	4,093	10,740	408	941	4,501	11,681	647
Punjab . . A.	1,092	17	540	535	507	1,599	2,691	1,293	2,197	155	409	1,448	2,606	1,218
Punjab . . B.	2,130	43	3,616	6,467	3,660	13,786	15,916	11,461	13,648	...	1	11,461	13,649	2,207
Punjab . . C.	...	119	16	44	78	257	257	...	...	...	...	...	...	...
Total .	3,222	179	4,172	7,046	4,245	15,642	18,864	12,774	15,845	155	410	12,929	16,255	3,425
Burma . . A.	...	...	1,034	78	350	1,462	2,361	1,716	2,351	184	511	1,900	2,862	...
Burma . . B.	...	2	7,171	419	1,946	9,538	11,311	9,022	10,654	...	...	9,022	10,654	...
Burma . . C.	...	...	64	7	8	79	79	...	...	...	...	...	...	...
Total .	*2,672	2	8,269	504	2,304	11,079	13,751	10,738	13,005	184	511	10,922	13,516	*2,159
Federated Shan States. A.	...	...	...	...	5	5	6	5	3	1	1	6	4	...
Federated Shan States. B.	...	...	107	15	15	137	150	117	141	...	...	117	141	...
Federated Shan States. C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	*14	...	107	15	20	142	156	122	144	1	1	123	145	*16
Bihar and Orissa A.	69	13	166	32	61	272	341	201	541	62	267	263	808	24
Bihar and Orissa B.	171	3	1,673	321	59	2,056	2,227	2,106	5,243	1	1	2,107	5,244	104
Bihar and Orissa C.	...	60	20	...	...	80	80	...	...	...	...	...	...	...
Total .	240	76	1,859	353	120	2,408	2,648	2,307	5,784	63	268	2,370	6,052	128
Assam . . A.	97	...	170	11	70	251	348	249	396	30	112	279	508	66
Assam . . B.	214	2	1,000	40	505	1,547	1,761	1,573	2,308	2	5	1,575	2,313	186
Assam . . C.	...	1	...	...	...	1	1	...	...	...	...	...	...	...
Total .	311	3	1,170	51	575	1,799	2,110	1,822	2,704	32	117	1,854	2,821	252
Central Provinces. A.	60	7	115	140	34	296	356	251	629	60	167	311	796	45
Central Provinces. B.	2,178	191	7,456	9,006	1,012	17,665	19,843	18,017	48,243	11	8	18,028	48,251	1,815
Central Provinces. C.	...	622	736	69	55	1,482	1,482	...	...	...	...	...	...	...
Total .	2,238	820	8,307	9,215	1,101	19,443	21,681	18,268	48,872	71	175	18,339	49,047	1,860
Coorg . . A.	2	...	...	2	1	3	5	4	8	1	2	5	10	...
Coorg . . B.	1	...	15	17	10	42	43	35	43	8	14	43	57	...
Coorg . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	3	...	15	19	11	45	48	39	51	9	16	48	67	...
North-West Frontier Province. A.	184	18	82	59	19	178	362	197	347	32	76	229	423	128
North-West Frontier Province. B.	...	2	1,677	2,272	42	3,993	3,993	3,986	5,520	...	...	3,986	5,520	7
North-West Frontier Province. C.	...	15	17	20	...	52	52	...	...	...	...	...	...	...
Total .	184	35	1,776	2,351	61	4,223	4,407	4,183	5,867	32	76	4,215	5,943	135

* Burma and Federated Shan States have not shown separately "A", "B" and "C" in columns 2 and 15. They have given the totals only.

STATEMENT VII—*contd.*

Breaches of Forest rules—contd.

Province.		Cases pending from 1927-28.	New Cases of the year.					Total cases.	Disposed of during the year.						
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Totals.		Cases pending at close of year.
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	3	...	...	4	1	5	8	7	13	1	3	8	16	...
	B.	...	12	322	1,322	20	1,676	1,676	1,676	3,386	...	...	1,676	3,386	...
	C.	...	1	...	...	...	1	1	...	...	...	...	...	...	...
	Total	3	13	322	1,326	21	1,682	1,685	1,683	3,399	1	3	1,684	3,402	...
Baluchistan	A.	11	...	15	14	3	32	43	27	79	4	11	31	90	12
	B.	...	...	38	177	7	222	222	222	309	...	...	222	309	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	11	...	53	191	10	254	265	249	388	4	11	253	399	12
Andamans	A.	1	...	4	...	...	4	5	5	5	1	...	5	5	...
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	1	...	4	...	...	4	5	5	5	1	...	5	5	...
Madras	A.	1,818	47	3,197	646	218	4,108	5,926	2,710	7,739	2,084	5,935	4,794	13,674	1,132
	B.	2,863	171	15,069	3,108	1,041	19,384	22,247	16,192	32,421	1,949	4,586	18,141	37,007	4,105
	C.	5	842	332	24	24	1,222	1,227	...	...	...	...	...	...	...
	Total	4,686	1,060	18,598	3,778	1,283	24,714	29,400	18,902	40,160	4,033	10,521	22,935	50,681	5,237
Bombay	A.	193	37	226	77	94	434	627	380	836	62	152	442	988	185
	B.	1,022	252	8,513	6,391	2,085	17,241	18,263	16,481	37,765	4	6	16,485	37,771	1,778
	C.	...	1,899	1,474	32	44	3,449	3,491	...	...	...	...	...	...	...
	Total	1,215	2,188	10,213	6,500	2,223	21,124	22,381	16,861	38,601	66	158	16,927	38,759	1,963
Grand Total	A.	3,620	156	5,713	1,642	1,475	8,986	13,506	7,261	15,869	2,725	7,871	10,086	23,740	2,962
	B.	9,145	798	49,723	33,023	12,643	96,187	107,118	89,323	177,951	2,369	5,495	91,659	183,446	10,858
	C.	5	3,783	3,015	215	270	7,283	7,380	...	...	...	...	...	...	...
Total 1928-29		12,770	4,737	58,451	34,880	14,388	112,456	128,004	96,584	193,820	5,094	13,366	101,745	207,186	13,820
„ 1927-28		13,338	4,366	57,518	35,046	13,291	110,221	125,296	97,561	197,064	6,051	14,081	103,612	211,145	13,035
„ 1926-27		12,424	4,095	57,383	36,033	12,653	110,160	124,647	95,676	198,907	5,615	14,030	101,291	212,957	13,329
„ 1925-26		14,627	4,270	54,554	36,126	11,719	106,629	119,950	93,921	198,822	6,507	17,273	100,433	215,796	14,608
„ 1924-25		16,443	4,397	53,402	34,013	10,134	101,885	118,328	90,469	198,111	6,017	15,878	96,486	213,989	12,625

N. B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1927-28.	1928-29.	
1	2	3	4	5	6	7
Bengal	1,544	1,541	23·9	2·8	0·2	
United Provinces	3,278	3,223	63·5	1·9	1·6	
Punjab	1,322	1,316	86·3	1·04	0·4	
Burma	124	117	0·43	7·3	5·6	
Federated Shan States	4	4	0·13	...	...	
Bihar and Orissa	1,542	1,485	35·7	4·4	3·7	
Assam	65	50	1·06	52·6	23·0	
Central Provinces	11,588	10,994	58·9	5·8	5·1	
Coorg	186	185	35·8	2·8	0·5	
North-West Frontier Province	87	85	35·5	4·6	2·3	
Ajmer	140	139	99·3	...	0·7	
Madras	15,106	14,374	79·8	2·9	4·8	
Bombay	9,007	8,480	65·7	3·7	5·8	
Total 1928-29	43,993	41,993	41·1	3·6	4·5	
„ 1927-28	42,173	40,208	39·9	8·2	4·6	
„ 1926-27	38,814	37,659	36·9	9·0	2·9	
„ 1925-26	41,941	40,811	39·9	5·7	28·0	
„ 1924-25	44,201	42,847	42·6	10·0	3·1	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	...	5	2	17	1	1	...	10	...	34	3
United Provinces	51	5	40	10	105	16	31	18	49	6	276	55
Punjab	3	...	19	2	117	2	53	3	4	1	196	8
Burma	6	...	7	1	27	2	14	3	11	1	65	7
Federated Shan States	...	...	...	...	...	...	...	...	...	...	...	...
Bihar and Orissa	10	6	11	7	18	6	2	...	54	38	90	57
Assam	28	8	5	6	1	...	1	1	1	...	36	15
Central Provinces	31	13	184	106	240	145	16	4	503	325	974	593
Coorg	5	...	2	...	...	...	10	...	...	...	17	...
North-West Frontier Province	...	...	4	...	7	...	27	1	...	...	38	1
Ajmer	1	...	...	...	10	1	...	...	1	...	12	1
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	30	8	150	115	330	231	300	140	879	242	1,689	736
Bombay	29	12	202	163	676	117	143	12	1,138	315	2,188	619
Total 1928-29	195	52	629	412	1,543	521	598	182	2,650	928	5,615	2,095
„ 1927-28	124	61	536	304	1,335	414	826	564	2,139	722	4,960	2,065
„ 1926-27	246	76	464	142	1,317	268	679	165	1,817	645	4,523	1,296
„ 1925-26	172	33	501	178	1,284	317	603	123	1,688	620	4,448	1,271
„ 1924-25	183	49	447	160	1,286	291	583	114	1,744	732	4,243	1,376

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I (Col. 6.)
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,284	...	4,125	...	63	63	10,535
United Provinces	2,051	70	2,221	10	821	28	5,201
Punjab	382	95	4,198	138	340	189	5,341
Burma	23,044	...	58	185	2,455	4,448	122,974
Federated Shan States	2,208	...	...	81	717	61	24,608
Bihar and Orissa	613	...	661	...	1,560	236	3,073
Assam	4,338	...	14,497	...	1,572	...	20,407
Central Provinces	2,933	54	3,440	12	13,214	42	19,641
Coorg	80	439	...	...	...	439	519
North-West Frontier Province	63	...	8	...	174	...	245
Ajmer	57	81	...	...	3	81	141
Baluchistan	174	...	91	87	...	11	785
Andamans	52	...	...	...	358	...	2,190
Madras	1,854	52	12,910	207	844	9	19,257
Bombay	1,676	279	3,538	...	9,412	...	14,905
TOTAL 1928-29	44,809	1,070	45,747	670	31,533	5,607	249,822
1927-28	44,576	1,572	49,851	899	31,023	5,400	133,321
1926-27	44,699	1,707	51,291	641	30,401	5,286	134,025
1925-26	45,109	1,731	50,240	573	30,470	5,679	133,802
1924-25	45,856	2,036	51,842	569	29,782	5,640	135,725

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,687	24,671	204	...	30	451	16,988	...	...	3
United Provinces	62,659	154,753	122,863	2,676	2,333	6,653	23,511	8,370	180	168
Punjab	11,717	40,845	453,917	21,385	616	343	9,320	479,964	...	146
Burma	4,577	26,580	...	17	...	...	...	...	...	...
Federated Shan States	3,612	1,408	...	...	...	...	...	...	...	...
Bihar and Orissa	9,810	20,125	1,898	...	4	8,773	18,021	...	...	...
Assam	12,913	5,884	372	...	181	371	...	...	...	...
Central Provinces	279,126	705,835	351,371	37	3,336	141,167	1,841,672	1,503	...	66
Coorg	372	3,366	...	...	...	...	...	...	...	...
North-West Frontier Province	2,631	4,351	368	...	30	...	...	...	...	...
Ajmer	1,711	12,660	...	2	...	4,598	16,540	...	...	...
Baluchistan	27	1,962	9,007	...	113	...	...	...	...	...
Madras	81,000	1,079,878	989,860	...	35	19,150	109,558	105,944	...	...
Bombay	28,690	88,742	145,778	753	5,991	231,162	1,077,297	374,052	...	3,313
Total 1928-29	501,532	2,171,010	2,075,638	24,870	12,669	412,668	3,112,907	969,833	180	3,696
„ 1927-28	495,896	2,142,272	1,902,245	57,641	14,667	396,818	3,082,466	1,046,694	...	4,146
„ 1926-27	493,666	1,822,588	1,517,086	110,404	13,150	383,373	3,022,782	971,465	396	4,239
„ 1925-26	433,186	2,249,584	1,635,230	39,670	13,483	372,472	2,967,923	1,012,376	1,139	4,547
„ 1924-25	1,705,573		1,552,369	61,763	13,467	9,337,344		1,030,127	741	6,636

MENT XI.

from cattle.

Grazed free, number of animals.										
By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total number of animals grazed.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,765	4,418	10	...	18	51,245
40,078	463,311	42,472	...	1,420	7,390	36,961	61,396	...	186	1,037,380
132,113	657,700	1,334,349	325	199,462	6,708	31,760	...	43	2,773	3,383,486
169,479	298,323	120	...	1,306	18,149	1,087	...	...	9,836	529,474
1,860	20,073	...	...	...	866	91	...	...	200	28,110
42,313	244,447	78,156	...	14	313	1,453	1,051	...	30	426,408
29	88	...	...	...	5,012	7,274	2,609	...	...	34,733
...	375	...	...	...	1,912	238,071	95	...	189	3,564,755
6	412	...	...	...	1,874	16,208	...	...	...	21,733
5,366	6,699	...	...	...	2	2	...	...	...	19,449
456	1,873	...	...	...	...	...	...	...	...	37,840
...	3,310	53,226	1	1,193	...	...	...	...	...	68,839
1,344	7,763	4,685	...	...	8,011	61,141	112	...	...	2,468,431
2,449	6,082	...	...	11	85,432	446,685	857	1,010	3,561	2,501,865
395,493	1,710,456	1,513,008	326	203,406	136,934	845,151	66,130	1,053	16,793	14,173,803
389,584	1,687,046	1,468,673	326	203,418	140,934	843,769	70,536	9,752	17,158	13,974,041
403,607	1,667,982	1,429,949	286	188,114	135,853	817,569	71,250	8,606	18,582	13,080,897
388,352	1,739,834	1,451,429	286	190,344	139,606	823,434	69,778	5,178	18,690	13,561,541
386,595	1,687,641	1,459,837	286	188,193	1,014,592		148,427	1,600	19,028	18,614,219

STATEMENT XII.

Progress on reproduction and afforestation.

Province.	Area under regeneration at close of year.	Area on which regeneration was completed during the year.	Plantations not under working plans added during the year.	Expenditure during the year.
1	2	3	4	5
	Acres.	Acres.	Acres.	Rs.
Bengal	362	2,227	21	79,377
United Provinces	2,24,802	13,096	...	1,45,767
Punjab	13,482	6,375	653	2,58,199
Burma	1,538	4,466	*	1,57,856
Federated Shan States	393	358	*	44,195
Bihar and Orissa	22,584	14,976	296	15,334
Assam	1,146	...	842	17,970
Central Provinces	13,411	537	1,358	4,791
Coorg	627	191	347	18,961
North-West Frontier Province	6,061	220	4	4,778
Ajmer	17,739	1,584	...	525
Baluchistan	70	...	1	1,022
Andamans	...	...	63	9,845
Madras	175	1,059	1,027	57,570
Bombay	69,572	38,950	11,709	75,265
TOTAL 1928-2	371,962	84,039	16,321	8,91,455
„ 1927-28	304,210	57,349	18,033	8,24,113

* Included in Col. 3.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 30,959,000	(a) 4,54,739	744,000	16,175	1,440,000	63,109	33,143,000	5,34,014	4,791	70	1,185	25	418	18	3,146	50
United Provinces	(b) 34,805,000	(b) 14,79,506	21,000	723	94,000	3,779	34,920,000	14,84,008	6,746	286	5,250	180	2,474	99	6,714	285
Punjab . .	(b) 10,257,000	(c) 14,26,439	15,936,000	12,93,303	6,368,000	64,086	32,561,000	(d) 27,83,828	6,695	931	4,964	403	10,631	107	6,096	581
Burma . .	50,476,000	4,75,885	...	...	71,701,000	4,63,201	122,177,000	9,39,086	1,729	16	...	...	764	5	993	7
Federated Shan States.	3,043,000	45,778	...	...	2,671,100	6,69,355	5,714,100	7,15,033	992	15	...	...	124	31	232	29
Bihar and Orissa.	4,256,000	1,00,291	5,625,000	1,57,872	...	...	9,881,000	2,58,163	2,365	57	4,425	124	...	...	3,215	84
Assam . .	(a) 7,741,000	(e) 2,78,056	...	...	11,384,000	6,92,210	19,125,000	9,70,266	1,268	45	...	...	796	48	937	47
Central Provinces	(b) 46,878,000	(b) 32,52,359	...	...	...	...	46,878,000	32,52,359	2,386	165	...	...	...	...	2,386	165
Coorg . .	377,474	38,833	148,958	196	...	...	526,432	39,029	727	75	...	...	...	...	1,014	75
North-West Frontier Province.	(f) 2,048,000	1,14,355	...	...	...	...	2,048,000	1,14,355	12,032	467	...	...	...	...	12,032	467
Ajmer . .	405,345	50,866	...	...	...	...	405,345	50,866	2,874	360	...	...	...	...	2,874	360
Baluchistan .	127,250	44,323	...	...	140,958	65	268,208	44,388	406	141	...	...	298	...	342	56
Andamans . .	188,000	2,906	...	...	2,816,000	6,569	3,004,000	9,559	3,615	57	...	...	1,317	3	1,371	4
Madras . .	(b) 18,176,000	6,55,361	...	...	(g) 4,155,000	13,31,570	22,334,000	19,86,931	961	34	...	...	12,122	3,862	1,150	103
Bombay . .	(b) 23,391,000	19,87,358	32,373,000	9,073	279,000	...	(h) 56,043,000	19,06,431	1,706	145	27,090	7	...	...	3,760	134
Total 1928-29 .	234,028,069	1,04,07,136	54,847,958	14,77,342	101,052,058	32,93,838	389,928,085	1,51,78,316	2,190	97	8,695	234	739	23	1,50	60
,, 1927-28 .	247,988,325	1,02,94,958	25,099,187	14,71,621	97,036,255	25,48,754	370,173,767	1,43,15,333	2,345	97	3,277	192	709	18	1,480	57
,, 1926-27 .	248,243,914	90,61,583	21,486,407	25,42,038	92,300,585	29,84,282	362,035,906	1,45,87,903	2,358	86	2,491	292	669	21	1,433	5
,, 1925-26 .	241,011,623	22,25,275	25,963,135	23,02,410	94,730,893	27,73,276	361,704,651	1,43,00,961	2,294	88	3,089	274	682	19	1,433	56
,, 1924-25 .	237,628,004	1,07,01,199	26,533,649	12,46,907	91,128,147	17,65,485	255,289,800	1,37,13,591	2,290	103	3,205	151	773	15	1,110	60

(a) Includes leased lands.
(b) ,, ,, forests.
(c) ,, Rs. 419, on account of fruit culture.
(d) ,, ,, 1,51,777 profit on resin for 1927-28.
(e) ,, Shared forests.
(f) ,, Guzara forests.
(g) Reserved and unreserved lands.

(h) Sandal wood—

Kh.	Mds.	lbs.	
430	17	2.½	
98	16	14	white wood billets, etc.
135	c.ft.		Sanated wood.
6	carts		rejected pieces.
1,300	trees.		
128	rejected roots.		
240	branches.		
61½	cart loads		kodli chalan.
174	Maunds		bachi chalan.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	531,000	17,956,000	19,000	...	18,506,000	1,048,000	13,123,000	466,000	...	14,637,000
United Provinces	316,000	8,158,000	65,000	883,000	9,422,000	342,000	11,201,000	1,015,000	12,940,000	25,498,000
Punjab	1,196,000	2,040,000	64,000	1,274,000	4,574,000	1,699,000	2,768,000	15,000	23,505,000	27,987,000
Burma	5,746,000	87,894,000	235,000	2,564,000	96,439,000	599,000	24,414,000	88,000	637,000	25,738,000
Federated Shan States	4,200	4,552,400	12,400	222,400	4,791,400	71,000	206,000	...	552,700	923,700
Bihar and Orissa	188,000	2,066,000	82,000	436,000	2,772,000	169,000	2,337,000	59,000	4,544,000	7,109,000
Assam	358,000	10,189,000	537,000	...	11,084,000	303,000	3,864,000	3,867,000	7,000	8,041,000
Central Provinces	6,507,000	4,521,000	242,000	1,000	11,271,000	13,241,000	20,109,000	2,125,000	132,000	35,607,000
Coorg	135,316	120,059	...	...	255,375	101,109	169,948	...	...	271,057
North-West Frontier Province	854,000	50,000	5,000	4,000	913,000	342,000	148,000	1,220,000	316,000	2,025,000
Ajmer	...	4,577	...	32	4,909	191,658	208,778	...	....	400,436
Baluchistan	1,004	1,948	1,559	...	4,511	20,331	243,126	240	...	263,697
Andamans	2,014,000	6,000	42,000	407,000	2,469,000	85,000	36,000	334,000	80,000	535,000
Madras	1,720,000	2,447,000	552,000	15,000	4,734,000	1,446,000	16,084,000	70,000	...	17,600,000
Bombay	1,626,000	4,550,000	50,000	300,000	6,526,000	3,633,000	37,374,000	140,000	8,370,000	49,517,000
Total 1928-29	21,196,520	144,556,284	1,906,959	6,106,432	173,766,195	23,290,098	132,379,852	9,408,240	51,083,700	216,161,890
,, 1927-28	17,768,221	103,065,812	2,264,140	3,979,417	127,077,590	23,550,541	144,127,696	10,112,280	65,205,660	243,090,177
,, 1926-27	18,468,738	102,220,343	1,962,845	3,892,607	126,544,533	19,174,573	157,304,879	10,003,320	49,008,600	235,491,372
,, 1925-26	602,680,112	71,109,399	1,414,450	4,212,373	679,416,339	14,689,579	157,490,550	8,862,154	54,784,800	235,827,132
,, 1924-25	16,316,900	91,952,000	2,172,331	3,376,236	113,817,527	16,592,147	151,277,782	7,539,108	54,979,476	230,388,513

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	651	1,50,943	846	...	1,52,440	...	36,068	34,676	...	70,744	41,293	2,67,476	2,061	...	3,10,830
United Provinces .	3,583	1,83,190	101	7,392	1,94,266	1,824	1,79,940	14,133	2,78,977	4,74,874	3,65,070	4,73,709	23,982	52,107	8,14,868
Punjab . . .	33,192	11	23	580	33,806	78	1,46,691	58,021	20,12,356	22,17,146	4,64,987	22,934	17	44,938	5,32,876
Burma . . .	857	3,77,516	5	10,551	2,88,929	30	18,597	51,200	1,51,833	2,21,660	10,015	3,63,108	9	55,365	4,28,497
Federated Shan States.	...	9,197	...	3,033	12,230	...	3,972	6,499	8,566	19,037	52	6,07,202	...	16,422	6,83,766
Bihar and Orissa .	7,701	35,236	1,506	5,119	49,562	...	12,483	1,216	1,12,746	1,26,445	20,148	57,364	216	4,428	82,156
Assam . . .	246	82,534	18,989	...	1,01,769	...	42,396	19,244	119	61,759	3,151	6,23,323	1,80,264	...	8,06,738
Central Provinces .	6,846	4,10,223	6,063	4,528	4,28,560	2,638	16,94,940	1,59,876	3,76,333	22,33,787	2,06,159	3,30,078	38,846	14,929	5,90,012
Coorg . . .	45	2,162	...	...	2,207	...	1,076	1,387	64	2,527	...	34,204	1	...	34,295
North-West Frontier Province.	...	...	...	...	...	...	6,149	96	5,687	13,932	99,784	530	...	100	1,00,423
Ajmer . . .	...	710	...	...	710	1,996	19,746	1,451	23,537	46,730	414	3,012	...	...	3,426
Baluchistan . .	...	...	...	...	...	...	1,223	1	41,470	42,694	33	1,632	29	...	1,694
Andamans . .	438	41	1,394	137	2,010	...	...	...	...	...	641	1,999	4,509	310	7,549
Madras . . .	10,259	3,87,141	3,313	520	4,01,242	333	6,57,439	13,753	7,187	6,78,712	11,926	8,86,955	7,440	656	9,06,977
Bombay . .	1,718	1,71,337	985	49,843	2,23,933	...	7,84,867	15,500	6,93,879	14,94,246	15,246	2,14,536	6,179	42,291	2,78,252
TOTAL 1928-29 .	65,536	17,10,291	34,125	81,712	18,91,664	6,899	36,07,577	3,77,063	37,12,754	77,04,293	11,38,919	39,48,251	2,63,643	2,31,546	55,82,359
,, 1927-28 .	55,196	16,54,114	40,804	80,751	18,30,865	9,687	33,46,524	3,60,379	33,65,844	70,82,334	13,50,149	36,10,053	2,51,018	1,80,944	54,02,164
,, 1926-27 .	76,167	16,96,890	38,244	77,096	18,88,397	27,038	35,58,027	43,67,116	32,39,590	71,91,771	11,69,171	38,95,627	2,50,533	1,92,404	55,07,735
,, 1925-26 .	82,629	16,43,768	28,327	95,814	18,50,538	10,547	36,86,287	3,74,253	32,82,033	73,53,120	10,66,645	36,03,989	2,37,613	2,00,036	51,08,283
,, 1924-25 .	1,00,726	15,07,229	33,409	58,220	16,99,588	14,145	39,52,535	3,87,309	32,60,637	76,14,626	10,89,097	33,44,631	2,33,471	2,01,145	47,67,344

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.		Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1928-29.	
		Average of 5 years 1923-24 to 1927-28.	In 1928-29.	Total.	Per ton.
1		2	3	4	5
				Rs.	Rs.
Caoutchouc, raw		9,309	11,529	1,99,85,435	1,733
Lac	Button	988	1,236	34,40,808	2,784
	Shell	19,702	26,537	6,81,61,168	2,569
	Stick, seed and other kinds	5,192	9,397	1,48,24,118	1,578
Catch and gambier		2,464	2,353	9,28,043	394
Myrabolams		70,118	61,534	80,44,314	131
Cardamums		334	381	20,50,819	5,383
Sandal		880	960	17,28,121	1,800
Teak		51,249	52,591	1,46,70,056	279
Other kinds of wood and timber*		—	—	10,91,059†	—
	TOTAL 1928-29	...	...	13,49,23,946	...
	,, 1927-28	...	...	12,73,46,767	...
	,, 1926-27	...	...	10,83,80,009	...
	,, 1925-26	...	...	12,84,97,713	...
	,, 1924-25	...	...	11,43,32,316	...

* Quantity not recorded.
† Includes teak keys.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1925-1929.		Imports of sleepers of wood for railways into British India, 1925-1929.	
	Cubic tons.	Rs.	Tons.	Rs.
1925	‡31,156	28,70,856	14,238	14,91,246
1926	‡23,104	‡27,49,637	25,734	31,17,949
1927	‡26,002	‡33,44,387	14,704	16,60,677
1928	‡23,860	‡28,90,525	1,950	2,27,845
1929	‡26,544	‡31,83,922	8	1,232

‡ Represent figures for deal and pine wood. jarrah wood and teak wood only from April 1925.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	3,283	64,795	40,280	40,635	2,061	1,51,054
United Provinces	1,24,000	1,24,000	8,000	...	54,000	3,10,000
Punjab	70,105	7,53,986	...	...	21,15,935	29,40,026
Burma	47,462	777	10	51,200	4	99,453
Federated Shan States	2,041	...	...	6,499	...	8,540
Bihar and Orissa	12,737	872	1,506	2,924	1,511	19,550
Assam	37,978	51,306	18,989	19,363	1,80,264	3,07,900
Central Provinces	28,496	55,702	12,288	13,48,236	38,832	14,83,554
Coorg	...	...	...	4,673	...	4,673
North-West Frontier Province	2,285	37,710	...	5,883	...	45,878
Ajmer	12	...	...	24,988	...	25,000
Baluchistan	500	5	...	30	...	535
Andamans	54,697	3,885	1,520	...	4,909	65,011
Madras	85,965	8,172	3,088	17,258	7,585	1,22,068
Bombay	96,241	1,70,342	50,702	7,09,249	48,726	10,75,260
TOTAL, 1928-29	5,65,802	12,71,552	1,36,383	22,30,998	24,53,827	66,58,502
,, 1927-28	6,02,636	15,10,291	1,45,106	22,67,448	24,33,483	69,58,964
,, 1926-27	5,91,572	14,36,747	1,42,861	21,52,169	24,34,531	67,57,880
,, 1925-26	5,47,210	13,20,108	1,47,125	24,93,462	24,22,153	69,30,058
,, 1924-25	4,68,901	13,13,849	96,891	44,72,409	3,79,190	67,31,240

STATEMENT XVII.

Details of revenue and expenditure for the forest year 1928-29.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			2,88,51,343	72·7
	(b) Minor forest produce			38,09,264	9·6
	(c) Forest stamps and Commutation fees for forest produce			98,311	0·2
	(d) Grazing			35,49,905	8·8
	(e) Revenue from forests not managed by Government			1,90,672	0·5
	(f) Miscellaneous			32,09,505	8·08
			Total Revenue	3,97,09,000	—
Expenditure	A. Recurring	(a) Administration	(i) Superior Staff	1,37,92,150	51·8
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	70,41,246	26·5
			(2) Roads and Buildings	13,84,444	5·2
			(3) Fire protection	2,78,842	1·0
			(4) Cultural operations	7,53,809	2·9
			(5) Live-stock, stores and plant	5,91,929	2·2
			(6) Working-Plans	29,838	0·1
			(7) Rent for leased forests	3,41,780	1·3
			(8) Miscellaneous	4,77,099	1·8
		(c) Expenditure on realization of revenue from forests not managed by Government.		25,330	0·0
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute).*		25,211	0·0
			Total	2,47,41,678	—
	B. Extraordinary	(e) Forest Settlement		18,567	0·0
		(f) Forest Survey		20,961	0·0
		(g) Forest Demarcation		1,03,211	0·4
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		3,26,440	1·2
		(i) Share of Capital charges transferred to 8-A		14,25,641	5·3
			Total	18,94,820	—
			GRAND TOTAL OF EXPENDITURE	2,66,36,498	—
			Net Revenue (Excluding Burma and Federated Shan States)	1,30,72,502	—

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the forest year 1928-29.

(Burma and Federated Shan States only.)

					Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood				1,44,00,435	79·5
	(*b*) Minor forest produce				10,70,655	5·9
	(*c*) Grazing				22,579	0·1
	(*d*) Revenue from forests not managed by Government				2,41,589	1·3
	(*e*) Miscellaneous				23,64,885	13·0
				Total Revenue	1,81,00,143	...
Expenditure	A Recurring	(*a*) Administration.	(*i*) Superior Staff		47,91,787	56·8
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).			
			(*iii*) Office Establishments (including Contingencies).			
		(*b*) Working	(1) Extraction		4,40,440	5·2
			(2) Roads and Buildings		3,33,376	3·9
			(3) Fire protection		32,228	0·3
			(4) Live-stock, stores and plant		2,36,901	2·8
			(5) Working Plans, revision and maintenance.		23,990	0·2
			(6) Maintenance of boundaries		36,545	0·4
			(7) Regeneration and improvement		1,81,020	2·1
			(8) Silvicultural Research		11,451	0·1
			(9) Utilisation Research		...	...
			(10) Other Works		1,03,647	1·2
			(11) Miscellaneous		1,14,400	1·3
				Total	63,05,785	...
	B Extraordinary	(*c*) Forest Survey			...	...
		(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.			6,44,009	7·6
		(*e*) Share of capital charges transferred to 8-A			14,74,977	17·5
				Total	21,18,986	...
				GRAND TOTAL OF EXPENDITURE	84,24,771	...
				Net Revenue	96,75,372	...

(Burma and Federated Shan States only.)

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	5,98,974	9,77,151	25,11,037	3,50,472	39,700	8,41,485
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	23,66,077	51,38,299	4,57,407	1,48,00,935	10,38,467	25,09,335
III.—Drift and waif wood and confiscated forest produce.	...	19,889	3,117	85,576	3,42,262	658	24,172
IV.—Revenue from forests not managed by Government.	...	...	34,009	3,030	2,41,589	...	85,012
V.—Miscellaneous	...	1,33,417	27,815	4,70,975	23,64,885	18,336	3,07,869
TOTAL REVENUE .	...	31,18,357	61,80,391	35,28,025	1,81,00,143	10,97,161	37,67,873
EXPENDITURE.							
A.—CONSERVANCY AND WORKS.							
I.—Timber and other produce removed from the forests by Government Agency.	...	2,46,436	3,37,377	9,93,338	1,73,322	13,508	7,10,353
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	2,37,853	2,32,579	1,739	1,96,338	29,960	35,917
III.—Drift and waif wood and confiscated forest produce.	...	3,295	505	27,716	70,780	....	934
IV.—Revenue from forests not managed by Government.	...	...	24,046	...	...	8	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	6,333	1,05,397	...	26,729	1,19,629
VI.—Live-stock, stores, tools and plant .	...	24,906	92,078	14,380	2,36,901	2,381	25,920
VII.—Communications and buildings .	...	1,16,942	3,36,507	67,979	3,33,376	70,470	2,14,859
VIII.—Demarcation, improvements and extension of forests.	...	1,14,016	3,55,342	94,901	3,88,881	42,912	28,815
IX.—Miscellaneous	916	16,704	17,458	3,153	1,14,400	15,001	15,035
Total A.—Conservancy and Works .	916	7,62,152	14,02,225	13,08,603	15,13,998	2,00,969	11,51,462
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	58,445	8,15,605	16,72,357	11,19,264	47,91,787	4,94,815	7,79,811
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	183	67,991	65,443	6,44,009	23,183	21,393
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	1,04,251	1,01,143	9	14,74,977	1,31,406	1,69,700
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	4,68,859	...	...	7,336
GRAND TOTAL OF EXPENDITURE (Excluding expenditure under E.) .	59,361	16,82,191	32,43,716	24,93,319	84,24,771	8,50,373	21,22,366
SURPLUS (Excluding expenditure under E.) .	...	14,36,166	29,36,675	10,34,706	96,75,372	2,46,788	16,45,507
DEFICIT .	59,361	...	...	...	...	...	...
Proportion of surplus to gross revenue . .	...	46	47	29	53	22	43
Net revenue per square mile of forest area under control of Forest Department.	...	136	565	193	66	80	81

MENT XVIII.

Forest Department in India for the financial year 1928-29.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs
16,45,717	4,27,341	7,81,037	37,410	6,001	14,88,436	...	17,97,674	26,78,650	1,41,81,085
34,11,053	72,955	17,969	41,582	10,397	2,797	...	32,73,379	42,19,633	3,73,60,535
1,390	...	2,562	...	...	...	...	10,949	2,897	4,93,472
34,687	...	3,241	...	4,712	...	...	...	25,981	4,32,261
3,53,469	25,340	24,568	8,682	2,315	9,473	1,06,001	10,72,771	4,15,874	53,41,730
54,46,316	5,25,636	8,29,377	87,924	23,425	15,00,706	1,06,001	61,54,773	73,43,035	5,78,09,143
5,43,662	48,007	5,38.364	21,673	3,015	8,11,506	...	5,14,045	12,34,429	61,89,065
2,21,330	...	...	805	...	660	...	1,76,706	54,201	11 88,088
79	...	669	...	...	...	...	351	234	1,94,563
...	...	...	...	284	...	...	...	992	25,330
12,524	...	24,130	...	...	...	...	524	46,514	3,41,780
29,034	19,520	...	345	100	2,18,130	16,682	1,21,186	27,317	8,28,830
1,86,382	14,126	33,644	13,866	934	14,425	5,444	1,52,587	1,54,279	17,17,820
2,66,773	30,873	6,351	2,529	1,478	38,650	...	98,489	1,24,099	15,94,109
55,859	4,211	(a)—508	500	645	11,777	1,89,880	14,970	1,31,488	5,91,489
18,15,643	1,16,737	6,02,650	39,718	6,456	10,95,148	2,11,956	10,78,858	17,78,553	1,25,81,044
23,33,616	1,35,357	1,52,139	31,845	30,422	1,65,653	6,87,084	28,97,620	(b) 24,48,338	1,86,09,158
...	46	...	...	...	...	...	1,05,544	42,657	9,70,449
...	12,993	80,146	4,792	...	68,126	42,697	4,77,481	2,32,897	29,00,618
2,95,661	...	...	...	...	...	...	...	...	(c) 7,71,856
36,49,259	2,65,133	8,34,935	76,355	36,878	13,28,927	9,41,737	45,59,503	44,92,445	3,50,61,269
17,97,057	2,60,503	...	11,569	...	1,71,779	...	15,95,270	28,50,590	2,36,61,982
...	...	5,558	...	13,453	...	8,35,736	...	...	9,14,108
33	49	...	13	...	11	...	26	38	41
91	502	...	82	...	78	...	82	191	95

(a) Work advances after deducting expenditure under IX miscellaneous.
(b) Includes Rs 1,34,616 on account of expenditure in England by the High Commissioner.
(c) Not included in Grand Total of expenditure.

STATE

Revenue of the Forest Department throughout India for the 30 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal*	1,64,368	2,89,772	1,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam†	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,782	8,15,677
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Imperial Forest College and Research Institute.	...	...	...	397	1,686	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial)	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras	6,03,248	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226
United Provinces	61 16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,42,952
Bihar and Orissa	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853
Central Provinces and Berar	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979
Coorg	4,58,673	6,77,873	9,48,028	4,27,851	7,33,731	9,42,653
North-West Frontier Province	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978
Baluchistan	17,934	25,108	17,937	22,544	17,229	14,939
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027
Imperial Forest College and Research Institute	8,304	9,083	8,308	12,648	24,117	1,84,763
Forest Surveys (Imperial)	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384
GRAND TOTAL	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1928-29 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,778	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,225	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,793	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,37,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96 99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,782	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,76,340	21,14,226	25,49,854	31,71,815	31,86,458	32,72,529	32,76,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,88,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,697	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,880	38,90,919	41,78,381	38,80,411	41,68,021	41,12,473	42,00,820	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,856	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01 263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,350	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,867	3,70,61,930	Grand Total.

1923-24.	1924-25.	1925-26.	1926-27	1927-28.	1928-29.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
29,551	30,100	...	...	...	...	Imperial.
22,61,515	24,75,529	28,56,420	31,28,841	33,49,480	31,18,357	Bengal.
73,56,029	69,21,987	64,26,281	58,71,303	72,01,183	61,80,391	United Provinces.
43,86,533 (a)	37,27,312 (a)	41,12,076 (a)	39,07,731 (a)	31,91,217 (a)	35,28.025 (a)	Punjab.
1,94,92,399	1,96,77,824	2,23,46,518	2,35,94,060	2,24,07,668 (b)	1,81,00,143	Burma.
10,29,085	10,70,268	10,28,592	9,43,752	9,38,760	10,97,161	Bihar and Orissa.
19,74,292	24,78,756	30,39,140	31,33,473	36,13,460	37,67,873	Assam.
51,04,929	52,32,632	49,87,409	53,21,376	50,78,160	54,46,316	Central Provinces and Berar.
7,00,947	6,68,030	5,38,518	4,58,145	4,93,372	5,25,636	Coorg.
5,33,332	6,69,767	7,44,207	7,91,166	7,56,700	8,29,377	North-West Frontier Province.
55,422	66,062	72,759	66,934	76,515	87,924	Ajmer.
22,403	20,593	23,621	27,942	29,867	23,425	Baluchistan.
6,11,382	7,25,597	8,91,029	11,70,863	14,18,062	15,00,706	Andamans.
1,67,339	1,02,579	1,05,697	2,74,025	1,16,167	1,06,001	Imperial Forest College and Research Institute.
...	...	...	...	...	...	Forest Surveys (Imperial).
54,15,557	55,69,682	51,70,520	56,23,700	53,44,431	61,54,773	Madras.
71,49,604	73,07,964	75,28,038	76,56,420	72,94,094	73,43,035	Bombay.
5,62,90,319	5,67,44,682	5,98,70,825	6,19,64,731	6,13,09,136	5,73,09,143	Grand Total.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

STATE

Expenditure of the Forest Department throughout India for the 30 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	33,935	28,229
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,31,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL	39,36,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494
Bengal	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249
United Provinces	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149
Bihar and Orissa	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634
Central Provinces and Berar	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007
North-West Frontier Province	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184
Imperial Forest College and Research Institute	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586
Forest Surveys (Imperial)	56,597	59,110	59,953	90,448	1,07,113	1,19,935
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463
Bombay	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344
Grand Total	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1928-29 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,48,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,936	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60.492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4 28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Imperial Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,217	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,888	GRAND TOTAL.

1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,44,489	1,68,595	1,18,903	1,23,858	61,661	59,361	Imperial.*
12,42,672	14,17,471	12,60,963	17,34,761	17,02,453	16,82,191	Bengal.
43,50,695	36,84,005	36,95,846	33,73,499	39,93,803	32,43,716	United Provinces.
29,16,035 (a)	26,14,488 (a)	27,01,510 (a)	27,03,386 (a)	29,54,874 (a)	24,93,319 (a)	Punjab.
1,03,02,159	96,28,313	86,87,943	89,40,884	88,37,858	84,24,771	Burma.
7,50,657	7,90,397	6,65,624	10,83,069	6,63,374	8,50,373	Bihar and Orissa.
11,59,845	13,30,853	15,67,983	14,47,506	14,45,767	21,22,366	Assam.
30,41,108	31,71,863	33,45,729	36,48,691	34,99,468	36,49,259	Central Provinces and Berar.
5,65,598	3,58,751	3,05,395	2,84,770	2,50,186	2,65,133	Coorg.
4,58,567	5,88,713	5,47,321	6,40.719	6,91,414	8,34 935	North-West Frontier Province.
49,454	49,125	55,161	79,728	82,854	76,355	Ajmer.
31,440	30,478	31,358	32,422	34,019	36,878	Baluchistan.
8,96,214	11,53,690	11,35,063	12,20,097	14,50,684	13,28,927	Andamans.
7,75,642	8,26,365	8,14,033	8,96,566	9,35,364	9,41,737	Imperial Forest College and Research Institute.
95,944	...	...	...	...	...	Forest Surveys (Imperial).
46,33,826	50,72,459	48,23,239	50,36,844	47,69,594	45,59,503	Madras.
44,01,024	43,82,317	42,07,626	43,59,516	43,11,781	44,92,445	Bombay.
3,58,15,369	3,52,67,883	3,39,63,202	3,56,06,316	3,56,84,654	3,50,61,269	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 30 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,95,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,73,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	....	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province	...	...	....	...	....	....	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—2,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,418	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,33,593	32,07,684	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646
North-West Frontier Province	1,53,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276
Ajmer	1,229	8,772	—12,368	—10,695	—508	4,138
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157
Imperial Forest College and Research Institute	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*concld.*

from 1899-1900 to 1928-29 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,522	3,26,822	Coorg.
33,271	89,564	1,59,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Imperial Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

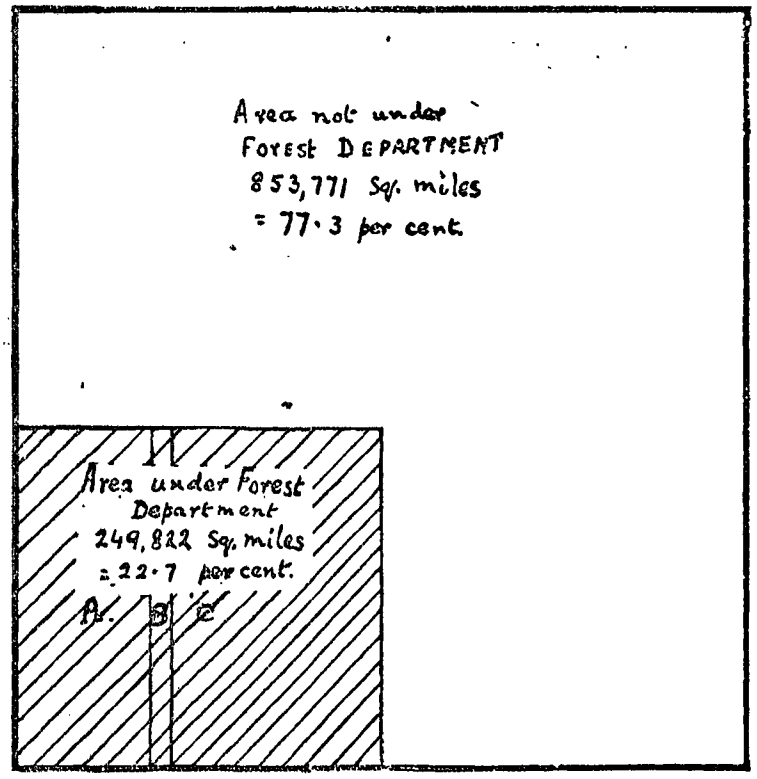
1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—1,14,938	—1,38,495	—1,18,903	—1,23,858	—61,661	—59,361	Imperial.*
10,18,843	10,58,058	15,95,452	13,89,080	16,47,027	14,36,166	Bengal.
30,05,334	32,37,982	27,30,935	24,97,804	32,07,880	29,36,675	United Provinces.
14,70,498	11,12,824	14,10,566	12,04,345	2,36,348	10,34,706	Punjab.
(a) 91,90,240	(a) 1,00,49,511	(a) 1,36,58,575	(a) 1,46,53,176	(a) 1,35,69,810	(a) 96,75,372	Burma.
2,78,428	2,79,871	3,62,968	—1,39,317	2,75,386	2,46,788	Bihar and Orissa.
8,14,447	11,47,903	14,71,157	16,85,967	21,67,693	16,45,507	Assam.
20,63,821	20,60,769	16,41,680	16,72,685	15,78,692	17,97,057	Central Provinces and Berar.
1,35,349	3,09,279	2,33,123	1,73,375	2,43,186	2,60,503	Coorg.
74,765	81,054	1,96,886	1,50,447	65,286	—5,558	North-West Frontier Province.
5,968	16,937	17,598	—12,794	—6,339	11,569	Ajmer.
—9,037	—9,885	—7,737	—4,480	—4,152	—13,453	Baluchistan.
—2,84,852	—4,28,093	—2,44,034	—49,234	—32,622	1,71,779	Andamans.
—6,08,303	—7,23,786	—7,08,336	—6,22,541	—8,19,197	—8,35,736	Imperial Forest College and Research Institute.
—95,944	...	...	...	...	...	Forest Surveys (Imperial).
7,81,731	4,97,223	3,47,281	5,86,856	5,74,837	15,95,270	Madras.
27,48,580	29,25,647	33,20,412	32,96,904	29,82,313	28,50,590	Bombay.
2,04,74,950	2,14,76,799	2,59,07,623	2,63,58,415	2,56,24,482	2,27,47,874	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore.....Excludes Home charges.
Orissa.
‡e Bengal.

MGIPC—S5—III-2-22—14-1-31—245.

STATISTICAL DIAGRAMS RELATING TO FOREST ADMINISTRATION IN BRITISH INDIA.

1. Area under the control of the Forest Department compared with total area of British India (including the Shan States).



Total area
1,103,593 Sq. miles.

A. Reserved Forests. 106,849 Sq. miles.
B. Protected do. 6,308 do.
C. Unclassed do. 136,665 do.

II.—GROWTH OF FOREST REVENUE AND EXPENDITURE BY QUINQUENNIAL PERIODS SINCE 1864-69.

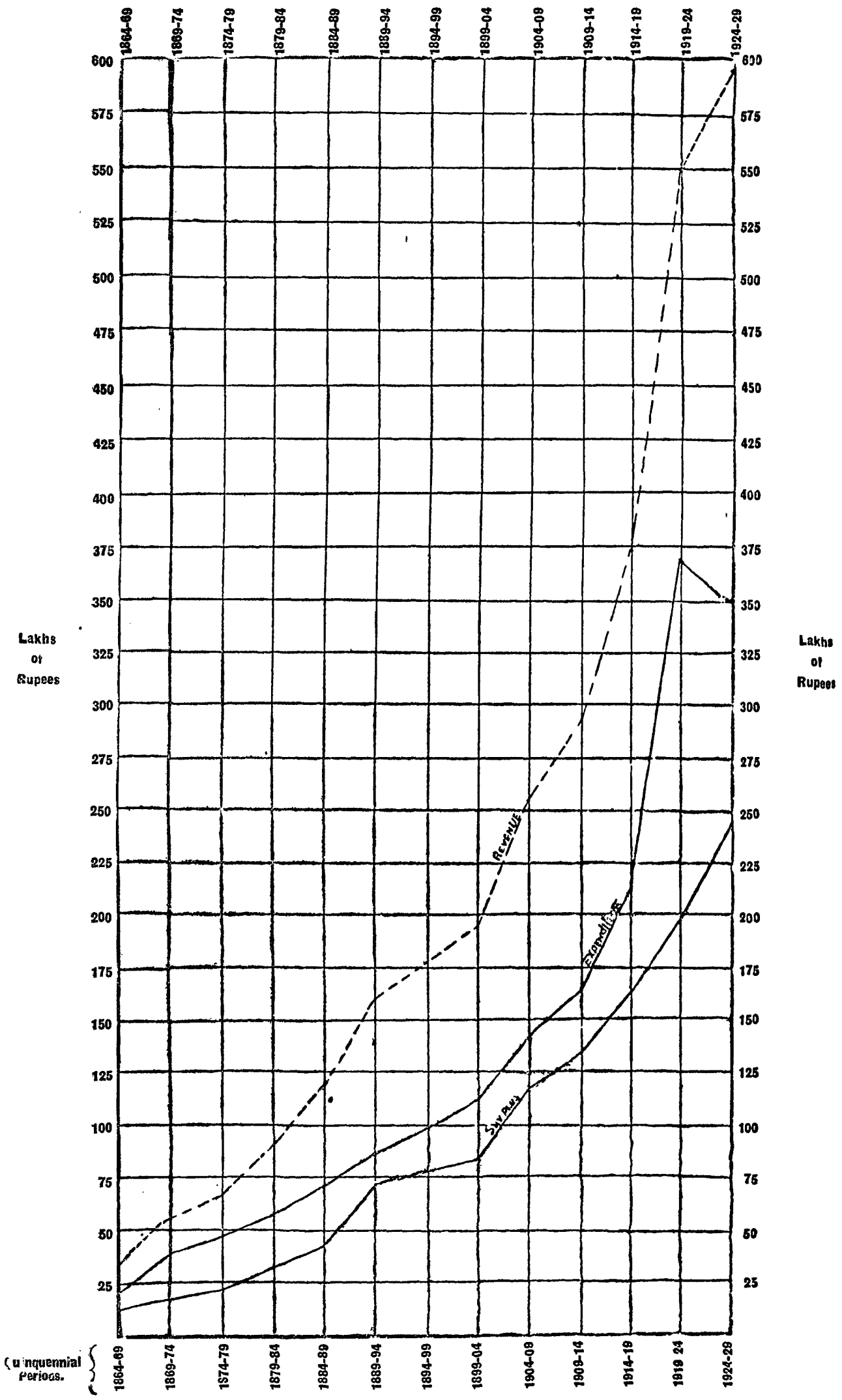
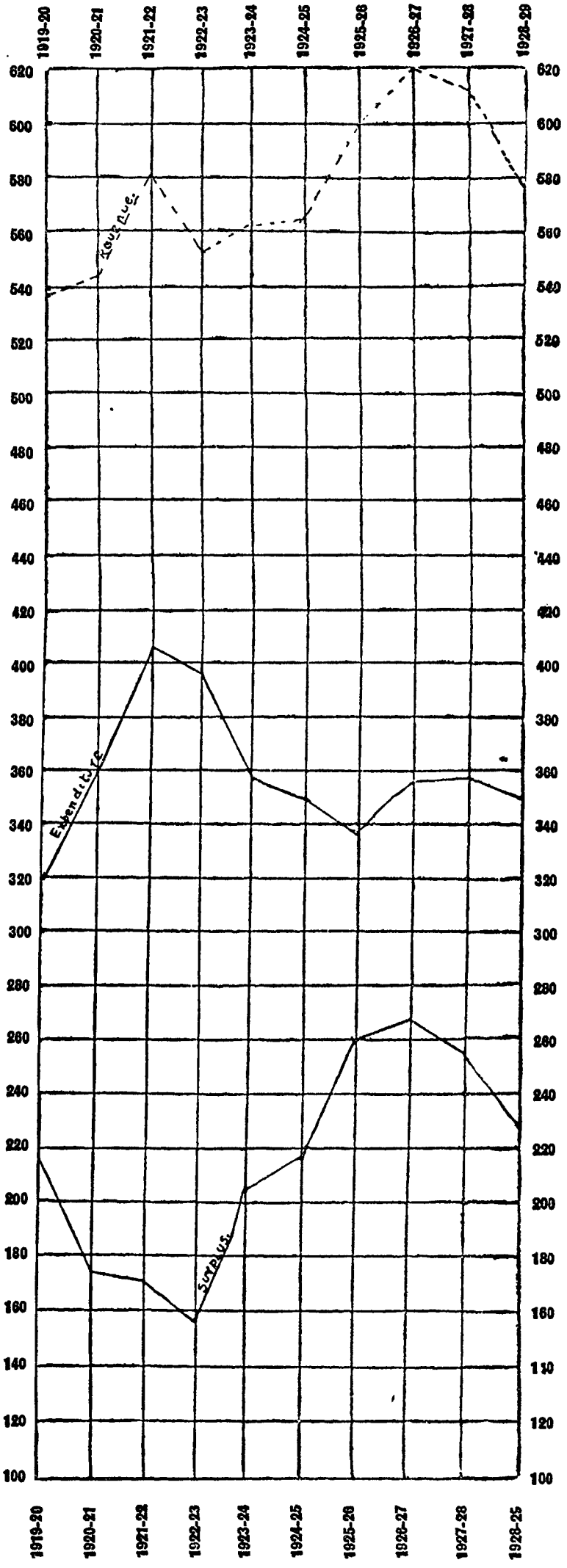


DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

For the 10 years 1919-20 to 1928-29.



105 1932

Annual Return of Statistics relating to Forest Administration in British India for the year 1929-30

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G. Banerjea & Bros., Ranchi.
M. C. Kothari, Raipura Road, Baroda.
B. Parikh & Co., Baroda.
The Hyderabad Book Depôt, Chaderghat, Hyderabad (Deccan).
S. Krishnaswami & Co., Teppakulam P. O., Trichinopoly Fort.
Karnataka Publishing House, Bangalore City.
Bheema Sons, Fort, Bangalore City.
Superintendent, Bangalore Press, Lake View, Mysore Road, Bangalore City.

AGENT IN PALESTINE : Steimatzky, Jerusalem.

*Agents for publications on aviation only.

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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1920-21 to 1929-30.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,855	(a) 6,465	(b) 673	3,445	10,583	13·8	(a) Includes 20 square miles of reserved forests not under the management of Forest Department. (b) Includes 11 square miles of other protected forests not under the control of Forest Department.
United Provinces	106,720	(c) 5,163	4	50	5,217	4·8	(c) Includes 1 square mile of leased forests.
Punjab	97,281	(d) 1,519	(e) 3,209	(f) 592	5,320	5·5	(d) Includes 352 square miles of leased forests but excludes 500 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 71 square miles not under the control of the Forest Department. (f) Excludes 235 square miles of forest and village forest lands.
Burma	182,900	29,487	...	(g) 92,373	121,860	66·6	(g) Includes 7,359 square miles without forest growth.
Federated Shan States	60,315	3,174	...	21,477	24,651	40·7	
Bihar and Orissa	83,083	1,799	(h) 1,230	3	3,032	3·6	(h) Excludes 681 square miles not under the control of Forest Department.
Assam	55,156	6,147	...	14,683	20,830	37·7	
Central Provinces (including Berar).	100,052	(i) 19,641	...	...	19,641	19·6	(i) Includes 174 square miles of leased forests.
Coorg	1,582	519	...	...	519	32·8	
North-West Frontier Province.	13,183	(j) 245	(k)	...	245	1·8	(j) Excludes 14 square miles of Civil and Military Reserved Forests. (k) Excludes 105 square miles of civil protected forests and 133 square miles of Guzara forests.
Ajmer	2,767	141	...	...	141	5·1	
Baluchistan (portions under British Administration).	54,228†	316	...	472	788	1·4	
Andamans and Nicobar	3,148†	52	...	2,138	2,190	69·6	(l) Includes 27 square miles of Tekadi leased forests.
Madras	142,650	(l) 18,963	...	(m) 270	19,233	13·4	(m) Reserved lands.
Bombay (including Sind)	123,276	13,722	1,182	...	(n) 14,904	12·1	(n) Includes 2,583 square miles of reserved and protected forests not under the management of the Forest Department.
Total 1929-30	1,103,491‡	107,353	6,298	135,503	249,154	22·6	
,, 1928-29	1,103,593‡	106,849	6,308	136,665	249,822	22·7	
,, 1927-28	1,103,579‡	105,588	7,658	136,864	250,110	22·6	
,, 1926-27	1,100,146‡	105,285	8,626	137,844	251,755	22·8	
,, 1925-26	1,099,888‡	105,041	8,405	138,834	252,280	22·9	

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1929-30.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	5	21	100	104	...	...
United Provinces	6	7	16	...	...	...
Punjab	...	...	7	...	...	...
Burma	337	2,053	2,107	12,594	...	...
Federated Shan States	64	94	...	...	...	...
Bihar and Orissa	...	2	2	...	...	...
Assam	42	50	24	790	...	...
Central Provinces	...	...	1	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	313	3	816	...	...
Andamans	...	52	...	...	...	...
Madras	76	109	7	...	...	...
Bombay	24	65	19	...	...	...
Total 1929-30	554	2,766	2,286	14,304	...	...
Total 1928-29	1,433	2,300	1,715	3,312	...	269
Total 1927-28	579	1,979	2,322	28,133	...	243
Total 1926-27	448	2,506	570	32,702	...	...
Total 1925-26	342	2,520	666	10,132	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	...	1,056	1,627	2,683	125	1,176	3,984	...	8,717
United Provinces .	4	2,919	5,718	8,641	2	2,853	11,496	2,292	9,715
Punjab . . .	23	1,719	6,630	8,372	3	1,398	9,773	162	5,722
Burma . . .	191	3,537	13,627	17,355	271	3,394	21,020	3,861	33,500
Federated Shan States	46	433	862	1,341	...	561	1,902	1,531	2,187
Bihar and Orissa .	221	2,952	2,176	4,849	...	384	5,233	1,599	2,660
Assam . . .	19	1,248	1,310	2,577	11	2,341	4,929	915	10,069
Central Provinces .	254	5,826	25,866	31,946	60	3,351	35,357	396	18,901
Coorg . . .	...	53	416	469	...	67	536	...	1,176
North-West Frontier Province.	...	247	530	777	...	139	916	...	1,307
Ajmer . . .	...	1	233	233	...	158	391	...	47
Baluchistan . .	...	2	458	460	...	77	537	25	39
Andamans . .	...	...	...	36	36	23	59	...	...
Madras . . .	254	16,477	6,025	22,721	384	2,413	25,518	5,974	5,113
Bombay . . .	161	25,029	13,210	38,400	45	2,710	41,155	1,219	14,210
Total 1929-30 .	1,173	61,499	78,688	140,860	937	21,045	162,806	17,974	1,03,363
1928-29 .	1,523	62,759	76,327	140,633	898	21,061	163,419	20,759	1,16,129
1927-28 .	816	63,675	75,613	136,037	1,057	20,936	162,044	16,509	1,07,783
1926-27 .	1,095	63,936	76,880	141,769	1,134	20,713	163,580	25,996	99,782
1925-26 .	438	68,957	79,504	149,412	1,405	20,872	171,613	9,849	1,05,757

STATEMENT IV.

Forest survey operations from 1st April 1929 to 31st March 1930.

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1929-30.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527·0	.....	
Assam	...	...	...	...	...	...	...	...	5,684·1	.....	
Bengal	Buxa	141·5	...	...	...	...	...			.....	
	Kalimpong	200·2	...	...	...	...	...				
	Jalpaiguri	204·8	...	...	...	...	...	546·9	5,298·6		
	Kurseong	0·4	...	...	...	...	...				
Bihar and Orissa.	Hazaribagh	56·73	...	...	...	...	...	(a) 56·73			
	Puri	247·1	...	...	...	...	...	247·1	2,413·78	225 0 0	(a) All these surveys were supplementary, cost of survey is not debitable to Forest Department 40 miles 32 chains of boundary survey were done on 4-inch scale, cost of which is paid for by Forest Department.
	Palamau	...	...	...	...	...	...	...			
N.-W. F. P.	...	...	...	...	...	...	...	...	465 00	.....	
Baluchistan	...	...	...	...	...	...	...	...	241·30	.....	
Punjab	Changa Manga	...	...	...	...	...	...	...	4,385·00	(b, 82 0 0	(b) Expenditure incurred during 1929-30 on completion of the work mentioned in the Statement IV for 1928-29.
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Madras	Lower Godavari	...	...	...	...	...	...	...	18,211·00	.....	
India	...	...	...	...	...	...	...	...	...	.....	
Coorg	...	...	...	...	...	...	...	...	478·00	.....	
Central Provinces.	...	...	...	...	...	...	...	...	19,535·00	.....	
Bombay	...	...	...	...	...	...	...	...	13,232·90	.....	
Burma	Thayetmyo	(d) 342	...	...	...	(c) 2·65	65 3	344·65			(c) Rs. 238 cost of contouring and correcting the old map debitable to Forest Department. Cost is for period 1st April 1929 to 31st March 1930 area is for period 1st July 1929 to 30th June 1930.
	Minbu	(dd) 108	...	...	...	...	...	108			
	Mu	(dd) 8	...	...	...	...	...	8			(d) 26·6 L. M. of traverse survey was done for 4-inch Survey cost of this survey Rs. 1,357 is debitable to Forest Department.

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1929 to 31st March 1930—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1° Detail survey. Area.	1° Detail survey. Cost rate.	2° Detail survey. Area.	2° Detail survey. Cost rate.	4° Detail survey. Area.	4° Detail survey. Cost rate.	Total area of detail survey. 1929-30.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
Burma—*contd.*	Upper Chindwin (*f*)	...	...	...	...	(*e* 145·88	...	145·88		Rs. A. P.	(*dd*) Part of the to pographical programme not chargeable to Forest Department.
	Katha (*i*)	(*dd*) 174	...	...	...	...	468·4	174			(*e*) Includes 9·77 sq. miles of unclassed f rests Rs. 91,5·5 cost of 136·11 sq. miles is debitable to Forest Department.
	Mansi (*g*)	(*dd*) 9	...	...	...	142·22	...	151 22			(*f*) Including 154·7 L. M. of forest boundary theodolite traversing and 173·3 L. M. of internal and connection traversing.
	Tharrawaddy (*h*)	...	...	...	...	...	...	...	26,545·79	2,43,784 0 0	(*g*) 43·5 L. M. of boundary survey and 30·7 L. M. of internal connection and 7·25 L. M. of planetable traverse were done. Rs. 1,25,279 cost debitable to Forest Department, including 142·22 sq. miles on 4 inch survey of Mansi Division.
	Henzada and Maubin	...	...	...	...	...	...	...			(*h*) 17·4 L. M. of boundary survey were done and cost of survey Rs. 887 is debitable to Forest Department.
	South Arakan	...	...	...	...	...	...	...			(*i*) Cost of survey to end of field season 1928-29 (area reported in Statement IV last year) Rs. 18,922 debitable to Forest Department.
	South Pegu (*j*)	...	...	...	...	..	...	...			(*j*) Cost of mapping and survey Rs. 5,516 for 39 sq. miles of Intagaw R and 6 sq. miles of Pyinma Extn. Reserve (for season 1928-29 as shown in Statement No. IV last year) is debitable to Forest Department.
	Insein	...	...	...	...	...	...	...			
	Magwe	...	...	...	...	...	...	...			
	Meiktila	...	...	...	...	...	...	...			
	Yamethin	...	...	...	...	...	...	...			
	Prome	...	...	...	...	...	...	...			
	Delta	...	...	...	...	...	...	...			
	Thaton	...	...	...	...	...	...	...			Contributions to Forest Map Office by Provincial and Central Governments.
										Rs. A. P.	Rs.
TOTAL 1929-30	1st April 1929 to 31st March 1930.	1491·73	...	...	...	290·75	...	1782·48	104,332·21	2,44,091 0 0	36,000
,, 1928-29	1st April 1928 to 31st March 1929.	1051·59	...	122	...	300·52	...	1474·11	102,549·73	2,50,791 0 0	36,000
,, 1927-28	1st April 1927 to 31st March 1928.	1271·50	...	38	...	1773·82	...	3083·32	101,075·62	2,25,339 0 0	36,000
,, 1926-27	1st April 1926 to 31st March 1927.	477·00	...	743	...	162·00	...	1382·00	97,982·00	2,19,371 6 0	36,000
,, 1925-26	1st April 1925 to 31st March 1926.	382·00	...	215	...	409·00	...	1006·00	96,600·00	2,46,983 2 0	36 000

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.				Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.	Total forest area in State-ment I. (Total of columns 5, 7, 8 and 9.)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,811	...	1	6,810	64	46	...	3,727	10,583	...	4,821	...	6,542
United Provinces	4,972	14	2	4,984	...	153	...	80	5,217	...	1,208	535	46,134
Punjab	2,508	53	8	2,553	48	147	1	2,621	5,322	645	963	...	897
Burma	18,915	1,087	35	19,967	68	4,393	2,542	2,585	(a) 29,487	495	3,652	737	60,880
Federated Shan States	1,136	127	7	1,256	40	126	...	1,792	(a) 3,174	56	244	...	95
Bihar and Orissa	2,044	...	...	2,044	67·41	205	...	783	3,032	...	285	...	...
Assam	246	...	...	246	...	1,954	2,488	16,143	20,830	324	234	...	5,238
Central Provinces	17,508	308	308	17,508	90	732	375	1,026	19,641	1,313	2,765	182	...
Coorg	519	...	...	519	100	...	...	...	519	519	140	...	268
North-West Frontier Province.	245	...	...	245	100	...	...	...	245	...	76	...	162
Ajmer	141	...	...	141	100	...	...	...	141	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	788	788	...	...	...	...
Andamans	708	...	...	708	32·4	...	...	1,482	2,190	...	...	...	...
Madras	7,039	1,661	...	8,700	51·9	3,348	3,686	...	(b) 16,674	...	...	...	...
Bombay	8,349	725	210	8,864	71	265	272	3,153	(c) 12,554	444	1,173	503	5,661
Total 1929-30	71,141	3,975	571	74,545	57·1	11,369	9,364	34,180	130,397	3,796	15,561	1,957	1,25,877
„ 1928-29	66,565	7,744	1,439	72,870	55·2	12,468	7,271	39,463	131,908	2,977	13,279	5,896	1,41,709
„ 1927-28	63,491	1,953	126	65,245	41·7	10,695	13,253	42,409	132,340	2,904	17,206	1,282	88,828
„ 1926-27	60,089	4 021	316	63,717	47·8	10,254	14,164	44,335	133,135	5,128	13,698	1,564	2,08,296
„ 1925-26	61,439	303	269	60,950	46·2	10,855	17,442	42,761	132,682	4,795	8,700	254	1,74,586

(a) Excluding unclassed forests.

(b) Excludes 2262 square miles of Punchayat forests not managed by Forests Deptt. and 27 square miles of leased forests, which if added, will agree to the total shown in Col. 3 of Statement I.

(c) Includes 238 square miles of Kanara Coast Division, which if added to figures shown in column 6 of Statement I (after deducting 2,586 square miles not under Forest Department) will agree with this total.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	66,022	15,969	34,797	45,353	17,554	1,79,715
United Provinces	1,27,147	26,217	1,17,280	1,45,560	28,480	4,44,634
Punjab	49,774	35,695	27,335	34,387	10,654	1,57,845
Burma	1,66,380	2,23,006	1,24,594	1,96,428	42,430	7,52,838
Federated Shan States	16,183	9,609	5,203	4,938	1,444	37,326
Bihar and Orissa	71,115	21,757	29,211	41,712	19,795	1,83,590
Assam	70,660	1,22,881	58,761	2,18,338	29,655	5,00,295
Central Provinces	58,871	83,689	70,180	99,987	35,042	3,47,769
Coorg	27,283	12,737	5,719	6,237	3,108	55,084
North-West Frontier Province	9,418	17,154	4,070	5,458	1,599	37,699
Ajmer	2,211	698	685	1,381	366	5,341
Baluchistan	...	35	403	60	...	498
Andamans	38,767	1,561	9,267	1,671	15,587	66,853
Madras	25,10,830	15,72,985	65,191	1,02,615	1,48,488	44,00,109
Bombay	58,911	1,50,625	37,535	1,19,209	20,393	3,86,673
Total 1929-30	32,73,522	22,94,638	5,90,180	10,23,334	3,74,595	75,56,269
„ 1928-29	9,88,396	8,98,325	6,07,229	8,82,607	3,30,695	37,07,252
„ 1927-28	11,04,650	7,30,363	5,95,873	9,93,460	2,51,631	36,75,977
„ 1926-27	9,46,939	8,27,657	5,54,743	8,85,997	2,56,612	24,71,948
„ 1925-26	5,76,767	5,32,883	5,18,251	7,68,474	2,19,498	26,65,828

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1928-29.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	81	...	165	20	64	249	330	136	367	42	147	178	514	133
Bengal . . B.	80	3	1,542	1,828	1,357	4,730	4,810	4,734	8,412	6	8	4,740	8,420	51
Bengal . . C.	...	13	300	4	14	331	331	...	...	...	...	...	...	...
Total .	161	16	2,007	1,852	1,435	5,310	5,471	4,870	8,779	48	155	4,918	8,934	184
United Provinces. A.	57	14	32	24	37	107	164	107	414	20	51	127	465	37
United Provinces. B.	590	102	1,737	1,893	989	4,721	5,311	4,224	11,514	449	1,147	4,673	12,661	638
United Provinces. C.	...	178	54	3	21	256	256	...	...	...	...	...	...	...
Total .	647	294	1,823	1,920	1,047	5,084	5,731	4,331	11,928	469	1,198	4,800	13,126	675
Punjab . . A.	1,176	22	387	779	587	1,775	2,951	1,498	2,379	264	609	1,762	2,988	677
Punjab . . B.	2,258	42	2,023	5,589	3,896	11,550	13,808	13,124	18,160	...	...	13,124	18,160	490
Punjab . . C.	...	154	79	19	54	306	306	...	...	...	...	...	...	...
Total .	3,434	218	2,489	6,387	4,537	13,631	17,065	14,622	20,539	264	609	14,886	21,148	1,167
Burma . . A.	...	1	1,152	60	311	1,524	2,231	1,549	2,141	138	370	1,687	2,511	...
Burma . . B.	...	7	7,981	372	2,289	9,749	11,148	9,014	10,907	...	...	9,014	10,907	...
Burma . . C.	...	...	76	2	20	98	98	...	...	...	...	...	...	...
Total .	*2,156	8	8,309	434	2,620	11,371	13,527	10,563	13,048	138	370	10,701	13,418	*2,208
Federated Shan States. A.	...	...	4	4	2	10	10	8	11	...	...	8	11	...
Federated Shan States. B	...	1	95	29	51	176	192	152	232	...	...	152	232	...
Federated Shan States. C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	*16	1	99	33	53	186	202	160	243	...	...	160	243	*17
Bihar and Orissa A.	19	10	156	35	47	248	267	154	484	33	133	187	617	45
Bihar and Orissa B.	105	3	1,961	299	116	2,379	2,484	2,289	6,286	...	...	2,289	6,286	181
Bihar and Orissa C.	...	99	13	...	...	112	112	...	...	...	...	...	...	...
Total .	124	113	2,130	334	163	2,739	2,863	2,443	6,770	33	133	2,476	6,903	226
Assam . . A.	63	1	147	15	111	274	337	205	315	22	76	227	391	110
Assam . . B.	181	2	1,145	56	511	1,714	1,895	1,629	2,315	14	43	1,643	2,358	252
Assam . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	244	3	1,292	71	622	1,988	2,232	1,834	2,630	36	119	1,870	2,749	362
Central Provinces. A.	45	5	162	131	57	295	340	244	545	53	224	297	769	43
Central Provinces. B.	1,815	144	7,129	9,180	813	17,266	19,081	17,175	44,866	4	5	17,179	44,871	1,902
Central Provinces. C.	...	462	587	105	60	1,214	1,214	...	...	...	...	...	...	...
Total .	1,860	611	7,818	9,416	930	18,775	20,635	17,419	45,411	57	229	17,476	45,640	1,945
Coorg . . A.	...	...	...	...	3	3	3	3	5	...	...	3	5	...
Coorg . . B.	...	...	3	13	7	23	23	17	19	6	21	23	40	...
Coorg . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	...	...	3	13	10	26	26	20	24	6	21	26	45	...
North-West Frontier Province. A.	129	6	140	102	16	264	393	177	333	40	125	217	458	174
North-West Frontier Province. B.	7	5	1,559	2,162	54	3,780	3,787	3,787	5,326	...	...	3,787	5,326	...
North-West Frontier Province. C.	...	10	...	1	...	11	11	...	...	...	...	...	...	...
Total .	136	21	1,699	2,265	70	4,055	4,191	3,964	5,659	40	125	4,004	5,784	174

* Burma and Federated Shan States have not shown separately "A", "B" and "C" in columns 2 and 15. They have given the totals only.

STATEMENT VII.—*contd.*

Breaches of Forest rules—*contd.*

Province.		Cases pending from 1928-29.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year
									Convictions.		Acquittals.		Totals.		
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	...	...	4	8	...	12	12	8	11	1	4	9	5	3
	B.	...	8	364	1,376	12	1,760	1,760	1,760	3,884	...	...	1,760	3,894	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	8	368	1,384	12	1,772	1,772	1,768	3,895	1	4	1,769	3,899	3
Baluchistan	A.	12	1	4	11	...	16	28	12	21	6	7	18	28	10
	B.	...	1	35	266	3	305	305	305	392	...	...	305	392	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	12	2	39	277	3	321	333	317	413	6	7	223	420	10
Andamans	A.	...	...	4	...	...	4	4	3	4	...	...	3	4	1
	B.	...	...	5	...	...	5	5	5	6	...	...	5	6	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	9	...	...	9	9	8	10	...	...	8	10	1
Madras	A.	1,428	49	3,384	765	348	4,546	5,974	2,423	6,404	2,431	6,265	4,854	12,669	1,120
	B.	3,699	160	13,723	2,430	1,371	17,684	21,383	15,435	29,329	2,373	5,550	17,808	34,879	3,575
	C.	2	692	377	29	17	1,115	1,117	...	...	...	...	...	...	...
	Total	5,129	901	17,484	3,422	1,736	23,245	28,474	17,858	35,733	4,804	11,815	22,662	47,548	4,695
Bombay	A.	173	28	151	100	64	343	516	355	825	35	81	390	906	126
	B.	1,748	265	8,631	6,172	2,521	17,589	19,337	17,181	40,225	2	4	17,183	40,229	2,154
	C.	42	1,814	1,608	112	64	3,598	3,640	...	...	...	...	...	...	...
	Total	1,963	2,107	10,390	6,384	2,649	21,530	23,493	17,536	41,050	37	85	17,573	41,135	2,280
GRAND TOTAL	A.	3,183	137	5,832	2,054	1,647	9,670	13,611	6,882	14,259	3,085	8,092	9,967	22,351	2,479
	B.	10,483	743	47,033	31,665	13,990	93,431	105,329	90,831	181,873	2,854	6,778	93,685	188,651	9,243
	C.	44	3,422	3,094	275	250	7,041	7,085	...	...	...	...	...	...	...
Total 1929-30		13,710	4,302	55,959	33,994	15,887	110,142	126,025	97,713	196,132	5,939	14,870	103,652	211,002	11,722
,, 1928-29		12,770	14,737	58,451	34,880	14,388	112,456	128,004	96,584	193,820	5,094	13,366	101,745	207,186	13,820
,, 1927-28		13,338	4,366	57,518	35,046	13,291	110,221	125,296	97,561	197,064	6,051	14,081	103,612	211,145	13,035
,, 1926-27		12,424	4,095	57,383	36,033	12,653	110,160	124,647	95,676	198,907	5,615	14,030	101,291	212,957	13,329
,, 1925-26		14,627	4,270	54,554	36,126	11,719	106,629	119,950	93,921	198,822	6,507	17,273	100,433	215,796	14,608

N. B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1928-29.	1929-30.	
1	2	3	4	5	6	7
Bengal	1,530	1,528	23·6	0·7	0·1	
United Provinces	3,302	3,165	61·3	1·8	4·1	
Punjab	1,201	1,189	78·2	1·05	0·9	
Burma	165	156	0·53	7·4	5·4	
Federated Shan States	9	9	0·28	...	...	
Bihar and Orissa	1,546	1,459	81·1	4·3	5·6	
Assam	30	29	0·47	44·9	3·3	
Central Provinces	13,538	12,909	65·7	5·04	4·6	
Coorg	186	185	35·6	0·4	0·5	
North-West Frontier Province	86	83	33·8	4·5	3·5	
Ajmer	140	140	99·3	0·14	...	
Madras	15,186	14,428	76·1	8·2	4·9	
Bombay	9,259	8,717	63·5	4·1	5·8	
Total 1929-30	46,178	43,997	40·9	3·6	4·7	
„ 1928-29	43,993	41,993	41·1	3·6	4·5	
„ 1927-28	42,173	40,208	39·9	8·2	4·6	
„ 1926-27	38,814	37,659	36·9	9·0	2·9	
„ 1925-26	41,941	40,811	39·9	5·7	28·0	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	...	2	...	7	...	1	...	5	2	16	2
United Provinces	29	7	53	37	75	13	11	6	96	73	264	136
Punjab	1	...	12	5	152	4	62	7	6	...	233	16
Burma	10	1	10	2	28	3	10	2	19	1	77	9
Federated Shan States	...	...	...	...	...	...	...	...	2	...	2	...
Bihar and Orissa	7	2	20	15	23	25	13	4	72	41	135	87
Assam	3	...	...	...	...	...	2	583	...	...	5	583
Central Provinces	59	61	128	237	142	98	8	...	483	231	815	627
Coorg	2	...	4	...	...	...	8	1	5	...	19	1
North-West Frontier Province	...	...	1	...	14	...	10	4	...	...	25	4
Ajmer	...	...	...	...	9	...	...	...	...	...	9	..
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	30	8	173	75	312	178	369	161	617	346	1,531	768
Bombay	48	100	149	41	568	137	100	84	1,257	248	2,122	605
Total 1929-30	190	179	552	412	1,360	458	589	852	2,562	937	5,253	2,838
„ 1928-29	195	52	629	412	1,543	521	598	182	2,650	928	5,615	2,095
„ 1927-28	124	61	536	304	1,335	414	826	564	2,139	722	4,960	2,065
„ 1926-27	246	76	464	142	1,317	268	679	165	1,817	645	4,523	1,296
„ 1925-26	172	33	501	178	1,284	317	503	123	1,888	620	4,448	1,271

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6).
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,329	...	4,128	...	126	...	10,583
United Provinces	2,068	72	2,232	10	807	28	5,217
Punjab	479	59	4,252	110	330	90	5,320
Burma	22,198	...	58	185	2,543	4,503	121,860
Federated Shan States	2,230	...	...	75	808	61	24,651
Bihar and Orissa	618	...	622	...	1,511	278	3,032
Assam	4,293	...	14,966	...	1,572	...	20,830
Central Provinces	2,820	51	3,521	9	13,249	41	19,641
Coorg	79	440	...	...	...	440	519
North-West Frontier Province	63	...	8	...	174	...	245
Ajmer	57	81	...	...	3	81	141
Baluchistan	173	...	83	32	...	28	788
Andamans	52	...	...	...	...	358	2,190
Madras	1,752	29	13,022	165	597	9	19,233
Bombay	1,608	298	3,411	...	9,572	15	14,904
Total 1929-30	44,819	1,030	46,303	586	31,292	5,932	249,154
Total 1928-29	44,809	1,070	45,747	670	31,533	5,607	249,822
Total 1927-28	44,576	1,572	49,851	899	31,023	5,400	133,321
Total 1926-27	44,699	1,707	51,291	641	30,401	5,286	134,025
Total 1925-26	45,109	1,731	50,240	573	30,470	5,679	133,802

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,948	22,310	219	...	54	567	16,241	...	...	2
United Provinces	61,148	157,289	118,734	3,355	2,404	7,322	30,246	21,242	...	75
Punjab	15,944	32,740	419,104	42,138	1,057	249	8,463	335,045	...	256
Burma	4,308	27,658	...	...	17	...	...	...	...	...
Federated Shan States	3,790	1,312	...	...	60	...	...	...	...	...
Bihar and Orissa	6,477	28,104	1,708	...	...	4,841	2,566	...	...	...
Assam	12,316	7,023	174	...	48	312	...	...	...	...
Central Provinces	285,096	736,881	392,637	12	3,741	140,682	1,871,838	1,708	...	28
Coorg	381	3,810	...	...	...	...	...	...	...	...
North-West Frontier Province	2,926	4,633	148	...	30	...	...	...	...	...
Ajmer	1,299	10,590	...	...	...	3,411	15,199	...	...	...
Baluchistan	53	1,524	5,115	...	554	...	...	...	...	...
Madras	84,729	1,136,475	1,035,259	...	87	18,950	115,587	84,413	1	...
Bombay	24,702	102,035	58,271	373	7,142	248,498	1,039,038	432,841	18	4,166
Total 1929-30	506,117	2,272,384	2,031,369	45,878	15,194	428,243	3,099,178	875,249	18	4,528
„ 1928-29	501,532	2,171,060	2,075,638	24,870	12,669	412,668	3,112,907	969,833	180	3,696
„ 1927-28	495,896	2,142,272	1,902,245	57,641	14,667	396,818	3,082,466	1,046,694	...	4,146
„ 1926-27	493,666	1,822,588	1,517,086	110,404	13,150	383,373	3,022,782	971,465	396	4,239
„ 1925-26	433,186	2,249,584	1,635,230	39,670	13,483	372,472	2,967,923	1,012,376	1,139	4,547

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,095	3,452	3	...	20	46,911
42,736	458,854	44,177	...	1,751	6,989	37,203	61,409	...	191	1,055,125
132,109	658,589	1,337,253	325	199,462	4,813	27,556	...	80	2,702	3,217,925
141,611	294,259	...	...	1,453	15,143	1,267	...	...	10,540	496,256
1,340	10,907	...	...	...	905	...	...	...	344	18,658
36,440	229,175	59,437	...	21	586	1,193	335	...	...	370,883
29	88	...	...	...	6,415	9,427	5,907	...	...	41,769
...	375	...	...	...	1,657	242,095	131	...	175	3,077,056
4	501	...	...	...	1,477	16,263	...	...	...	22,436
5,366	6,699	...	...	...	...	...	...	...	...	19,802
441	2,043	...	...	...	...	...	...	...	...	32,933
...	8,310	53,226	1	1,193	...	...	...	...	...	64,976
1,655	12,413	4,421	...	150	7,766	62,499	269	...	...	2,564,674
2,479	5,635	...	...	11	85,453	436,180	784	1,028	2,376	2,451,030
364,210	1,682,848	1,498,514	326	204,041	132,329	837,135	68,838	1,058	16,438	14,080,484
395,493	1,710,456	1,513,008	326	203,406	136,034	845,151	66,130	1,053	16,798	14,173,803
389,584	1,687,046	1,468,673	326	203,418	140,934	843,769	70,536	9,752	17,158	13,974,041
403,607	1,667,932	1,429,949	286	188,114	135,853	817,56	71,250	8,606	18,582	13,080,897
388,352	1,739,834	1,451,429	286	190,344	139,606	828,434	69,778	5,178	18,690	13,561,541

STATEMENT XII.

Progress on reproduction and afforestation.

Province.	Area under regeneration at close of year.	Area on which regeneration was completed during the year.	Plantations not under working plans added during the year.	Expenditure during the year.
1	2	3	4	5
	Acres.	Acres.	Acres.	Rs.
Bengal	734	2,177	14	71,172
United Provinces	210,829	11,866	...	1,68,657
Punjab	16,022	4,311	395	2,74,908
Burma	1,831	2,774	*	1,49,001
Federated Shan States	355	425	*	39,604
Bihar and Orissa	16,280	13,045	284	11,372
Assam	1,280	...	2,038	26,168
Central Provinces	17,289	503	2,633	10,640
Coorg	663	319	216	28,037
North-West Frontier Province	7,707	...	...	5,292
Ajmer	17,140	1,712	...	329
Baluchistan	78	...	8	1,548
Andamans	...	...	60	11,232
Madras	1,330	645	1,756	55,611
Bombay	29,959	51,215	12,413	77,593
Total 1929-30	321,497	88,992	19,817	9,31,164
„ 1928-29	371,962	84,039	16,321	8,91,455
„ 1927-28	304,210	57,349	18,033	8,24,113

*Included in Col. 3.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce	Timber and fuel.	Mino. produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 28,019,000	(a) 4,72,089	389,000	4,163	1,623,000	59,085	30,031,000	5,36,237	4,334	73	575	6	471	17	2,838	50
United Provinces	(b) 30,459,000	(b) 15,30,044	13,000	625	65,000	4,849	30,537,000	15,42,118	5,899	297	3,250	156	1,300	97	5,853	295
Punjab . .	(b) 10,116,000	(c) 12,04,841	16,730,000	13,02,894	5,354,000	93,049	31,600,000	(d) 26,00,784	6,659	853	5,026	406	9,044	158	5,939	508
Burma . .	37,513,000	4,45,481	...	...	60,810,000	4,23,782	98,323,000	8,69,263	1,272	15	...	...	658	4	807	7
Federated Shan States . .	2,040,000	23,831	...	...	2,256,000	5,78,152	4,896,000	601,983	831	7	...	...	105	27	198	24
Bihar and Orissa.	5,166,000	1,20,395	5,929,000	1,14,310	...	...	11,095,000	2,34,705	2,871	67	4,820	93	...	...	3,659	77
Assam . .	(e) 6,245,000	(e) 2,64,940	...	...	11,007,000	6,05,969	17,252,000	9,00,906	1,016	43	...	...	749	47	838	46
Central Provinces	(b) 41,933,000	(b) 33,09,215	...	...	...	...	41,933,000	33,09,215	2,135	168	...	...	...	...	2,135	168
Coorg . .	363,631	37,435	147,800	287	...	...	511,421	37,722	730	72	...	...	...	...	955	72
North-West Frontier Province.	(f) 3,542,000	91,720	...	...	...	...	3,542,000	91,720	14,457	374	...	...	...	...	14,457	374
Ajmer . .	484,533	55,134	...	...	...	...	484,533	55,134	3,436	391	...	...	...	...	3,436	391
Baluchistan .	244,586	45,729	...	...	120,861	15	365,447	45,744	774	144	...	...	256	...	466	58
Andamans . .	181,892	2,893	...	...	3,389,796	8,115	3,571,688	11,008	3,498	56	...	...	1,585	4	1,630	5
Madras . .	(b) 20,056,000	13,74,076	...	...	(g) 3,980,000	6,00,907	24,036,000	19,74,983	1,057	72	...	...	14,741	2,226	1,240	102
Bombay . .	(b) 21,047,000	21,05,709	30,188,000	16,743	655,000	...	(h) 51,890,000	21,22,443	1,534	153	25,529	14	...	...	3,481	142
Total 1929-30 .	208,039,632	1,11,80,123	52,796,800	14,39,022	89,360,657	24,64,800	350,067,089	1,50,83,945	1,938	104	8,383	228	658	18	1,405	60
,, 1928-29 .	234,028,069	1,04,07,136	54,847,958	14,77,312	101,052,058	32,93,638	389,928,085	1,51,78,316	2,190	97	8,695	234	739	23	156	60
,, 1927-28 .	247,988,325	1,02,94,958	25,099,187	14,71,621	97,096,255	25,48,754	370,173,767	1,43,15,363	2,348	97	3,377	192	709	18	1,480	57
,, 1926-27 .	248,248,914	90,61,583	21,486,407	25,42,038	92,300,585	29,84,382	362,035,906	1,45,87,903	2,358	86	2,491	292	669	21	1,433	5
,, 1925-26 .	241,011,623	22,25,375	25,963,135	23,02,410	94,730,893	27,73,276	361,705,651	1,43,00,761	2,294	88	3,089	274	652	19	1,433	56

(a) Includes leased lands.
(b) ,, ,, forests.
(c) ,, Rs. 335 on account of fruit culture.
(d) ,, ,, 80,882 on account of resin profit for 1928-29.
(e) ,, Shared forests.
(f) ,, Guzara forests.
(g) Reserved and unreserved lands.

(h) Sandal wood—
Kh. Mds. lbs.
464 3 1 scented wood.
135 c.ft.
138 seers.
200 c. ft. rejected stuff.
Kh. Mds. lbs.
102 5 11 Do.
91 9 7 Bachi chalav.
701 c. ft. Do.
4,400 c. ft. Kodli chalav.
9,319 trees, roots, branches, billets.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	619,000	15,676,000	27,000	...	16,322,000	949,000	12,064,000	696,000	...	13,709,000
United Provinces	328,000	6,827,000	54,000	851,000	8,060,000	517,000	8,050,000	1,031,000	12,879,000	22,477,000
Punjab	1,577,000	2,067,000	122,000	1,089,000	4,855,000	1,756,000	1,491,000	14,000	23,484,000	26,745,000
Burma	3,955,000	37,864,000	144,000	735,000	42,698,000	1,076,000	53,045,000	37,000	1,467,000	55,625,000
Federated Shan States	19,000	2,712,000	9,000	196,000	3,936,000	48,000	693,000	...	219,000	960,000
Bihar and Orissa	244,000	2,128,000	61,000	434,000	2,867,000	196,000	3,361,000	19,000	4,652,000	8,228,000
Assam	1,061,000	7,556,000	661,000	...	9,278,000	378,000	3,920,000	3,669,000	7,000	7,974,000
Central Provinces	7,283,000	3,824,000	389,000	4,000	11,500,000	3,483,000	17,899,000	3,123,000	1,027,000	30,432,000
Coorg	118,560	121,624	...	...	240,184	76,562	194,675	...	...	271,237
North-West Frontier Province	787,000	50,000	4,000	4,000	845,000	809,000	353,000	1,220,000	315,000	2,697,000
Ajmer	...	3,993	...	169	4,162	215,399	264,972	...	...	480,371
Baluchistan	1,072	2,165	921	...	4,158	43,611	317,678	...	...	361,289
Andamans	2,129,833	10,247	41,486	1,937	2,183,503	1,014,385	15,242	331,891	26,667	1,388,185
Madras	1,880,000	2,652,000	195,000	18,000	4,745,000	1,216,000	17,940,000	129,000	6,000	19,291,000
Bombay	1,413,000	4,752,000	131,000	309,000	6,605,000	2,443,000	34,837,000	66,000	7,939,000	45,285,000
Total 1929-30	21,415,465	87,246,029	1,839,407	3,642,106	114,143,007	19,220,957	154,445,567	9,335,891	52,921,667	235,924,082
„ 1928-29	21,196,520	144,556,284	1,906,959	6,106,432	173,766,195	23,290,098	132,379,852	9,408,240	51,083,700	216,161,890
„ 1927-28	17,768,221	103,065,812	2,264,140	3,979,417	127,077,590	23,550,541	144,227,698	10,112,280	65,205,660	243,090,177
„ 1926-27	18,468,738	102,220,343	1,962,845	3,592,607	126,544,533	19,174,573	157,304,879	10,003,320	49,008,600	235,491,372
„ 1925-26	602,680,112	71,109,399	1,414,450	4,212,373	679,416,339	14,689,579	157,490,550	8,862,154	54,784,800	235,827,132

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	790	1,53,384	871	...	1,55,045	...	34,479	28,675	...	63,154	51,402	2,63,828	3,918	...	3,19,038
United Provinces .	227	1,32,232	111	7,377	1,39,947	2,851	1,89,518	14,347	3,22,101	5,28,817	4,08,644	4,04,279	8,501	51,730	9,73,354
Punjab . . .	21,941	9	3	661	22,614	95	1,50,753	46,013	20,18,668	22,15,529	3,89,466	18,230	122	44,803	4,52,621
Burma . . .	630	2,75,401	852	13,867	2,90,840	61	19,048	53,310	1,43,777	22,15,196	6,859	3,31,213	10	25,155	3,63,237
Federated Shan States.	...	8,397	...	1,132	9,529	...	4,047	7,389	5,946	17,382	1,397	5,71,944	...	1,731	5,75,072
Bihar and Orissa .	5,179	44,714	1,111	3,723	54,727	...	10,097	887	83,844	94,828	4,386	74,900	49	5,719	85,150
Assam . . .	70	72,107	15,152	...	87,419	...	37,648	25,388	119	63,155	5,735	6,25,677	1,78,020	...	8,10,332
Central Provinces .	11,749	3,64,485	8,183	5,091	3,89,408	2,747	15,35,341	1,51,512	374	16,90,004	1,60,070	5,90,615	65,048	4,13,980	12,29,713
Coorg . . .	180	1,688	115	...	1,983	...	1,248	4,620	130	5,950	...	20,780	...	...	20,780
North-West Frontier Province.	...	...	...	...	...	..	3,715	...	4,767	8,482	76,676	5,461	81	1,020	83,238
Ajmer . . .	...	1,062	...	...	1,062	2,811	19,096	1,538	27,104	50,899	377	2,856	...	...	3,233
Baluchistan . .	...	...	...	...	...	...	1,284	514	41,470	43,348	4	2,369	3	...	2,396
Andamans . .	...	25	1,864	1,745	3,134	...	...	...	...	...	..	3,129	4,501	244	7,874
Madras . . .	11,523	4,42,003	1,949	307	4,55,772	423	6,45,170	14,488	7,093	6,67 173	21,208	8,27,993	2,179	668	8,52,038
Bombay . .	273	1,67,364	776	49,771	2,18,184	126	8,43,888	15,330	7,63,181	16,21,525	9,864	11,85,196	4,817	83,537	2,83,734
TOTAL 1929-30 .	52,562	16,63,051	30,337	83,754	18,29,754	9,114	34,94,497	3,63,111	34,18,659	72,55,381	11,36,408	39,36,376	2,68,149	6,27,877	59,68,810
„ 1928-29 .	65,536	17,10,291	34,125	81,712	18,91,664	6,839	36,07,577	3,77,063	37,12,754	77,04,293	11,38,919	39,43,251	2,68,043	2,31,546	5,82,359
„ 1927-28 .	55,196	16,54,114	40,804	80,751	18,30,865	9,627	33,46,524	3,60,279	33,65,844	70,82,334	13,50,149	36,10,053	2,51,018	1,90,944	54,02,164
„ 1926-27 .	76,167	16,06,890	38,244	77,096	18,88,397	27,038	35,58,027	43,67,116	32,39,590	71,91,771	11,69,171	38,15,627	2,50,533	1,92,404	55,07,735
„ 1925-26 .	82,629	16,43,768	28,327	95,814	18,50,538	10,547	36,86,287	3,74,253	32,82,033	73,53,120	10,66,645	36,03,989	2,37,613	2,00,036	51,08,383

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.	Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1929-30.	
	Average of 5 years 1924-25 to 1928-29.	In 1928-29.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	10,237	11,461	1,78,87,892	1,561
Lac — Button	1,067	1,209	30,12,077	2,491
Lac — Shell	21,038	24,913	5,67,95,600	2,280
Lac — Stick, seed and other kinds	6,354	7,324	98,64,347	1,347
Cutch and gambier	2,465	2,203	8,81,035	400
Myrabolams	69,177	61,781	78,11,638	126
Cardamums	348	511	26,30,915	5,149
Sandal	924	943	16,33,716	1,732
Teak	53,748	52,359	1,47,75,433	282
Other kinds of wood and timber*	—	—	13,52,111	—
TOTAL 1929-30	...	...	11,66,44,764	...
,, 1928-29	...	...	13,49,23,946	...
,, 1927-28	...	...	12,73,46,767	...
,, 1926-27	...	...	10,83,30,009	...
,, 1925-26	...	...	12,84,97,713	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1926-1930.		Imports of sleepers of wood for railways into British India, 1926-1930.	
	Cubic tons.	Rs.	Tons.	Rs.
1926	23,104	27,49,637	25,734	31,17,949
1927	26,002	33,44,387	14,704	16,60,677
1928	23,860	28,90,525	1,950	2,27,845
1929	26,544	31,83,922	8	1,232
1930	26,413	36,03,907	...	...

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	966	56,580	41 597	22	454	99,571
United Provinces	79,000	1,13,000	7,000	...	56,000	2,55,000
Punjab	72,152	7,52,965	...	...	21,10,270	29,35,387
Burma	42,724	448	852	52,300	10	96,334
Federated Shan States	2,058	...	...	7,389	...	9,447
Bihar and Orissa	12,923	556	1,111	934	49	15,576
Assam	41,016	46,582	15,152	26,231	1,78,920	3,07,901
Central Provinces	35,343	82,625	14,241	14,11,019	45,282	15,88,510
Coorg	...	...	113	4,516	2	4,631
North-West Frontier Province	1,932	43,136	...	5,868	...	50,936
Ajmer	63	...	...	28,732	...	28,795
Baluchistan	225	...	...	3	...	228
Andamans	3,847	3,280	3,092	...	4,687	14,906
Madras	28,576	15,181	1,727	21,641	2,704	69,829
Bombay	1,11,527	1,61,632	50,547	7,78,511	54,813	11,57,030
TOTAL, 1929-30	4,32,355	12,75,935	1,35,432	23,37,166	24,53,193	66,34,081
,, 1928-29	5,65,802	12,71,552	1,36,383	22,30,938	24,53,827	66,58,502
,, 1927-28	6,02,636	15,10,291	1,45,106	22,67,448	24,33,483	69,58,964
,, 1926-27	5,91,572	14,36,747	1,42,861	21,52,169	24,34,531	67,57,880
,, 1925-26	5,47,210	13,20,108	1,47,125	24,93,462	24,22,153	69,30,058

STATEMENT XVII.

Details of revenue and expenditure for the forest year 1929-30.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	2,96,34,411	72·3
			(b) Minor forest produce	38,63,936	9·4
			(c) Forest stamps and Commutation fees for forest produce	79,510	0·1
			(d) Grazing	37,13,930	9·0
			(e) Revenue from forests not managed by Government	1,95,057	0·5
			(f) Miscellaneous	34,69,413	8·4
			Total Revenue	4,09,56,257	—
Expenditure	A. Recurring	(a) Administration.	(i) Superior Staff	1,36,32,390	54·3
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	72,22,548	28·8
			(2) Roads and Buildings	14,96,501	5·9
			(3) Fire protection	3,00,697	1·2
			(4) Cultural operations	7,04,019	2·8
			(5) Live-stock, stores and plant	5,44,556	2·1
			(6) Working-Plans	34,110	0·1
			(7) Rent for leased forests	4,03,424	1·6
			(8) Miscellaneous	7,19,055	2·8
		(c) Expenditure on realization of revenue from forests not managed by Government.		19,884	0·0
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute).*		22,068	0·0
		Total		2,50,99,252	—
	B. Extraordinary	(e) Forest Settlement		16,990	0·4
		(f) Forest Survey		18,927	0·5
		(g) Forest Demarcation		80,390	2·3
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		10,15,149	29·6
		(i) Share of Capital charges transferred to 8-A		22,96,210	66·9
		Total		34,27,666	—
		GRAND TOTAL OF EXPENDITURE		2,85,26,918	—
		Net Revenue (Excluding Burma and Federated Shan States)		1,24,29,339	—

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the forest year 1929-30.

(Burma and Federated Shan States only.)

					Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood				1,55,01,422	76·1
	(*b*) Minor forest produce				9,22,956	4·5
	(*c*) Grazing				23,136	0·1
	(*d*) Revenue from forests not managed by Government				3,68,812	1·8
	(*e*) Miscellaneous				35,49,778	17·4
				Total Revenue	2,03,66,104	...
Expenditure	A Recurring	(*a*) Administration.	(i) Superior Staff		52,37,550	76·9
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).			
			(iii) Office Establishments (including Contingencies).			
		(*b*) Working	(1) Extraction		4,12,588	6·0
			(2) Roads and Buildings		3,64,628	5·3
			(3) Fire protection		33,286	0·5
			(4) Live-stock, stores and plant		2,16,831	3·2
			(5) Working Plans, revision and maintenance.		41,247	0·6
			(6) Maintenance of boundaries		36,484	0·5
			(7) Regeneration and improvement		1,74,484	2·5
			(8) Silvicultural Research		8,395	0·1
			(9) Utilisation Research		...	...
			(10) Other Works		1,21,208	1·7
			(11) Miscellaneous		1,57,941	2·3
				Total	68,04,582	...
	B Extraordinary	(*c*) Forest Survey			...	...
		(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.			2,01,505	20·0
		(*e*) Share of capital charges transferred to 8-A			8,02,508	79·9
				Total	10,04,013	...
				GRAND TOTAL OF EXPENDITURE	78,08,595	...
				Net Revenue	1,25,57,509	...

(Burma and Federated Shan States only.)

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and back-ward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	6,80,934	8,39,626	22,13,596	16,66,049	22,236	10,59,352
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	22,20,057	49,49,895	3,71,001	1,44,84,759	9,24,539	21,59,652
III.—Drift and waif wood and confiscated forest produce.	...	20,306	3,081	1,38,352	2,96,706	1,092	32,557
IV.—Revenue from forests not managed by Government.	...	...	24,384	2,839	3,68,812	...	86,977
V.—Miscellaneous	...	1,30,751	3,62,652	4,31,983	35,49,778	(a)—8,592	1,81,470
TOTAL REVENUE .	...	30,52,078	61,79,638	31,57,771	2,03,66,104	9,39,275	35,20,008
EXPENDITURE.							
A.—CONSERVANCY. MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	2,38,678	4,47,685	9,07,162	1,44,550	11,304	6,20,712
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,80,329	2,23,172	1,824	1,95,136	31,133	40,911
III.—Drift and waif wood and confiscated forest produce.	...	...	555	49,633	72,902	16	942
IV.—Revenue from forests not managed by Government.	...	3,188	16,445	...	12,295	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	6,332	1,63,741	...	27,000	1,07,961
VI.—Live-stock, stores, tools and plant . .	...	19,819	85,107	8,210	2,16,831	5,180	28,366
VII.—Communications and buildings .	...	1,01,043	3,30,248	74,557	3,64,628	- 80,978	2,95,570
VIII.—Demarcation, improvements and extension of forests.	...	1,26,190	3,76,163	86,114	4,15,044	43,399	47,103
IX.—Miscellaneous	...	13,385	14,305	(b)—5,550	1.45,646	20,362	25,050
Total A.—Conservancy, Maintenance and Regeneration.	...	6,82,632	14,70,312	12,90,691	15,67,032	2,19,372	11,66,615
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	61,498	8,25,739	17,18,409	10,91,500	52,37 550	5,08,075	8,49,955
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	40,125	65,493	91,755	2,01,505	34,619	26,421
D.—Total share of Capital charges transferred to 8-A (i.e., Capital charges met from Revenue).	...	1,16,684	1,34,436	4,95,251	8,02,508	1,40,596	1,77,310
E.—Total Capital Outlay under 52-A (i.e., not transferred to 8-A).	...	...	...	...	...	...	2,65,564
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	61,498	16,65,150	33,88,710	29,69,197	78,08,595	9,02,662	22,20,302
SURPLUS . (Excluding expenditure under E.)	..	13,86 898	27,90,928	1,88,574	1 25,57,509	36,613	12,99,706
DEFICIT .	61,498	...	...	...	...	...	...
Proportion of surplus to gross revenue . .	...	45	45	6	61	4	37
Net revenue per square mile of forest area under control of Forest Department.	...	131	535	35	86	12	62

(a) Refunds after deducting Revenue under V-Miscellaneous.
(b) Work advances after deducting expenditure under IX-Miscellaneous.

MENT XVIII.

Forest Department in India for the financial year 1929-30.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
19,79,079	4,66,234	7,96,427	39,799	6,922	19,81,162	...	20,77,168	27,27,802	1,65,56,386
35,69,645	65,539	23,114	43,990	11,743	3,953	...	35,61,941	47,68,407	3,71,58,235
1,434	...	19,155	...	...	...	...	12,496	2,554	5,27,733
34,321	...	685	...	3,805	...	...	...	42,046	5,63,869
4,13,029	40,258	24,996	10,014	6,830	21,698	1,03,866	8,13,220	4,34,155	75,16,138
59,97,508	5,72,031	8,64,377	93,803	29,300	20,06,813	1,03,866	64,64,825	79,74,964	6,13,22,361
6,39,943	42,830	5,20,514	23,413	2,496	9,59,733	...	6,44,143	11,78,233	63,51,396
2,22,551	...	...	669	...	660	...	2,00,091	57,798	11,54,274
149	...	4,718	...	...	...	...	551	...	1,29,466
...	...	...	...	251	...	...	...	...	82,179
16,879	...	28,182	...	...	...	...	3,368	44,961	4,03,424
38,745	17,743	...	169	119	1,73,200	18,554	1,29,444	19,600	7,61,887
1,86,093	14,061	51,867	13,963	537	10,002	2,938	1,64,871	1,69,773	18,61,129
2,42,975	39,786	7,257	2,343	1,573	24,060	...	1,12,874	1,25,540	16,50,421
45,088	4,035	7,117	573	410	8,361	1,94,789	17,226	2,93,660	7,84,457
13,92,423	1,18,455	6,19,655	41,130	5,386	11,76,016	2,16,281	12,72,568	18,89,565	1,81,28,138
22,90,175	94,233	1,65,705	32,832	32,265	1,54,148	6,69,059	28,18,803	23,42,001	1,88,92,008
1,81,505	8,483	18,892	777	...	28,061	5,691	2,91,635	2,21,692	12,16,654
1,11,550	90,283	35,966	6,461	...	2,89,229	40,803	4,35,621	2,22,020	30,98,718
49,146	...	...	...	...	...	...	2,46,980	...	(c) 5,61,690
39,75,653	3,11,454	8,40,218	81,200	37,651	16,47,454	9,31,834	48,18,627	46,75,278	3,63,35,513
20,21,855	2,60,577	24,159	12,603	...	3,59,359	...	16,46,198	32,,99,686	2,58,84,665
...	...	...	...	8,351	...	8,27,968	...	...	8,97,817
34	45	3	13	...	17	...	25	41	42
103	502	98	89	...	164	...	85	268	105

(c) Not included in Grand Total of expenditure.

STATE

Revenue of the Forest Department throughout India for the 31 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal*	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam†	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan	...	...	8,556	10,973	17,998	15,830	17,060	16,956	14,712	19,336	18,363	22,555
Andamans	5,467	14,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,968	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226
United Provinces	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952
Bihar and Orissa	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853
Central Provinces and Berar	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653
North-West Frontier Province	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978
Baluchistan	17,934	25,108	17,937	22,544	17,229	14,939
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027
Imperial Forest College and Research Institute	8,304	9,083	8,308	12,648	24,117	1,84,763
Forest Surveys (Imperial)	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384
GRAND TOTAL	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910 11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1929-30 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,732	13,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,842	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,375	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	12,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01 263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1923-24.	1924-25.	1925-26.	1926-27	1927-28.	1928-29.	1929-30.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
29,551	30,100	...	...	...	...	...	Imperial.
22,61,515	24,75,529	28,56,420	31,23,841	33,49,480	31,18,357	30,52,078	Bengal.
73,56,029	69,21,987	64,26.281	58,71,303	72,01,183	61,80,391	61,79,638	United Provinces.
43,86,533 (a)	37,27,312 (a)	41,12,076 (a)	39,07,731 (a)	31,91,217 (a)	35,28,025 (a)	31.57,771 (a)	Punjab.
1,94,92,399	1,96,77,824	2,23,46,518	2,35,94,060	2,24,07,668 (b)	1,81,00,143	2,03,66,104	Burma.
10,29,085	10,70,268	10,28.592	9,43,752	9,38,760	10,97,161	9,39,275	Bihar and Orissa.
19,74,292	24,78,756	30,39,140	31,33,473	36,13,460	37,67,873	35,20,008	Assam.
51,04,929	52,32,632	49,87,409	53,21,376	50,78,160	54,46,316	59,97,508	Central Provinces and Berar.
7,00,947	6,68,030	5,38,518	4,58,145	4,93,372	5,25,636	5,72,031	Coorg.
5,33,332	6,69,767	7,44,207	7,91,166	7,56,700	8,29,377	8,64,377	North-West Frontier Province.
55,422	66,062	72,759	66,934	76,515	87,924	93,803	Ajmer.
22,403	20,593	23,621	27,942	29,867	23,425	29,300	Baluchistan.
6,11,382	7,25,597	8,91,029	11,70,863	14,18,062	15,00,706	20.06,813	Andamans.
1,67,339	1,02,579	1,05,697	2,74,025	1,16,167	1,06,001	1,03,866	Imperial Forest College and Researeh Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
54,15,557	55.69,682	51,70,520	56,23,700	53,44,431	61,54,773	64,64 825	Madras.
71,49,604	73,07,964	75,28.038	76,56,420	72,94,094	73,43,035	79,74,964	Bombay.
5,62,90,319	5,67,44,682	5,98,70,825	6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	GRAND TOTAL.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

STATE

Expenditure of the Forest Department throughout India for the 31 financial year

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,187	2,04,667	2,81,702	2,66,121	3,42,431
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	36,985	33,935	28,229
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL	39,23,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494
Bengal	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249
United Provinces	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149
Bihar and Orissa	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634
Central Provinces and Berar	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007
North-West Frontier Province	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184
Imperial Forest College and Research Institute	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586
Forest Surveys (Imperial)	56,597	59,110	59,953	90,448	1,07,113	1,19,935
Madras	30,20,349	31,82,520	136,93,348	45,30,486	51,15,356	47,89,463
Bombay	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344
GRAND TOTAL	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1929-30 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,48,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,486	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,85,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Imperial Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	2. 42,678	Madras
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24.87,925	26,42,036	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87 43,883	GRAND TOTAL.

1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,44,489	1,68,595	1,18,903	1,23,858	61,661	59,361	61,498	Imperial.*
12,42,672	14,17,471	12,60,968	17,34,761	17,02,453	16,82,191	16,65,180	Bengal.
43,50,695	36,84,005	36,95,346	33,73,499	39,93,303	32,43,716	33,88,710	United Provinces.
29,16,035 (a)	26,14,488 (a)	27,01,510 (a)	27,03,386 (a)	29,54,874 (a)	24,93,319 (a)	29,60,197 (a)	Punjab.
1,03,02,159	96,28,313	86,87,943	89,40,884	88,37,858	84,24,771	78,08,595	Burma.
7,50,657	7,90,397	6,65,624	10,83,069	6,63,374	8,50,373	9,02,662	Bihar and Orissa.
11,59,845	13,30,853	15,67,983	14,47,506	14,45,767	21,22,366	22,20,302	Assam.
30,41,108	31,71,863	33,45,729	36,48,691	34,99,468	36,49,259	39,75,653	Central Provinces and Berar.
5,65,598	3,58,751	3,05,395	2,84,770	2,50,186	2,65,133	8,11,454	Coorg.
4,58,567	5,88,713	5,47,321	6,40,719	6,91,414	8,34,935	8,40,218	North-West Frontier Province.
49,454	49,125	55,161	79,728	82,854	76,355	81,200	Ajmer.
31,440	30,478	31,358	32,422	34,019	36,878	37,651	Baluchistan.
8,96,214	11,53,690	11,35,063	12.20.097	14,50.684	13,28,927	16,47,454	Andamans.
7,75,642	8,26,365	8,14,033	8,96,566	9,35,364	9,41,737	9,31,834	Imperial Forest College and Research Institute.
95,944	...	...	...	...	...	...	Forest Surveys (Imperial).
46,33,826	50,72,459	48,23,239	50,36,844	47,69,594	45,59,503	48,18,627	Madras.
44,01,024	43,82,317	42,07,626	43,59,516	43,11,781	41,92,445	46,75,278	Bombay.
3,58,15,369	3,52,67,883	3,39,63,202	3,56.06,816	3,56,84,654	3,50,61,269	3,63,35,5 3	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 31 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,93,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar,	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province,	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,033	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial),	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,681	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,06,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—38,612	—83,150	—1,08,250	—1,41,871	—2,89,208	—4,06,941
Bengal	6,38,257	11,18,269	10,78,930	8,48,913	6,10,837	10,79,977
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646
North-West Frontier Province	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157
Imperial Forest College and Research Institute	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,03,031

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*concld.*

from 1899-1900 to 1929-30 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2.80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,687	1,65,408	1 56,177	81,169	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,(3,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72 588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,807	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,523	3,26,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—2,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,26 5	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Imperial Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,80,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—1,14,938	—1,38,495	—1,18,903	—1,23,858	—61,661	—59,361	—61 498	Imperial.*
10,18,843	10,58,058	15.95,452	13,89,080	16,47,027	14,36,166	13.86,898	Bengal.
30,05,234	32,37,982	27,30,935	24,97,804	32,07,880	29 36,675	27,90,9_8	United Provinces.
14,70,498	11,12,824	14,10,566	12,04,345	2,36,343	10,34 706	1,88,574	Punjab.
(a) 91,90,240	(a) 1,00,49,511	(a) 1,36,58,575	(a) 1,46,53,176	(a) 1,35,69,810	(a) 96,75,372	(a) 1,25,57,509	Burma.
2,78,428	2,79,871	3,62,968	—1,39,317	2,75,386	2,46,788	36,613	Bihar and Orissa.
8,14,447	11,47,903	14,71,157	16,85,967	21,67,693	16,45,507	12,99,706	Assam.
20,63,821	20,60,769	16,41,680	16,72,625	15,78,692	17,97,057	20,21,855	Central Provinces and Berar.
1,35,349	3,09,279	2,83,123	1,73,375	2,43,186	2,60,503	2,60,577	Coorg.
74,765	81,054	1,96,886	1,50,447	65,286	—5,558	24,159	North-West Frontier Province.
5,968	16,937	17,598	—12,794	—6,339	11,569	12,603	Ajmer.
—9,037	—9,885	—7,737	—4,480	—4,152	—13 453	—8 351	Baluchistan.
—2,84,832	—4,28,093	—2,44,034	—49,234	—32,622	1.71,779	3,59 359	Andamans.
—6,08,303	—7,23,786	—7,08,336	—6,22,541	—8,19,197	—8,35,736	—8,27,968	Imperial Forest College and Research Institute.
—95,944	...	...	...	...	...	...	Forest Surveys (Imperial).
7,81,731	4,97,223	3,47,281	5,86,856	5,74,837	15,95 270	16,46,198	Madras.
27,48,580	29,25,647	83,20,412	32,96,904	29,82,313	28,50,590	32,99.686	Bombay.
2,04,74,950	2,14,76,799	2,59,07,623	2,63,58,415	2,56,24,482	2,27,47,874	2.49,86,848	GRAND TOTAL.

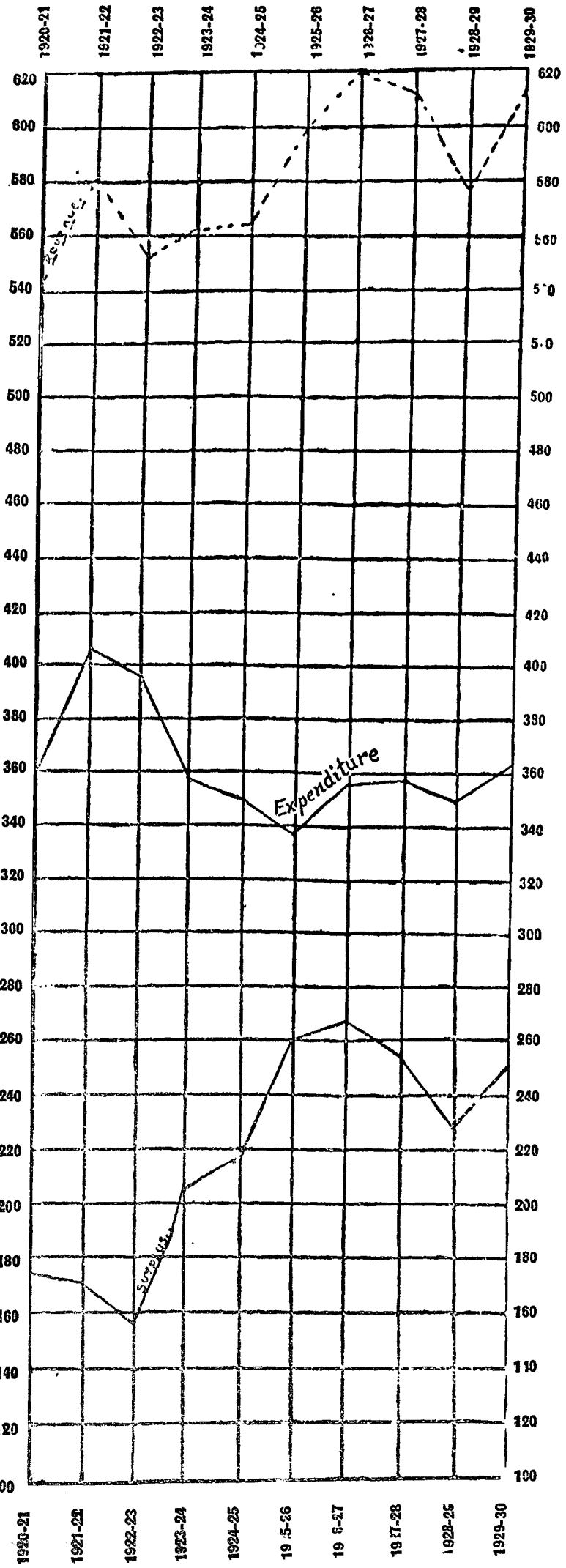
Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore.....Excludes Home charges.
Orissa.
o Bengal.

MGIPC—85—III-2-22—19-1 32—210.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS,

For the 10 years 1920-21 to 1929-30.



Annual Return of Statistics relating to Forest Administration in British India for the year 1930-31

(*Compiled in the office of the President, Forest Research Institute and College.*)

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B. C. Basak, Esq., Proprietor, Albert Library, Dacca.
Higginbothams, Madras.
Rochouse & Sons, Madras.
G. A. Nateson & Co., Publishers, George Town, Madras.
P. Varadachary & Co., Madras.
City Book Co., Madras.
Law Publishing Co., Mylapore, Madras.
The Booklover's Resort, Taikad, Trivandrum, South India.
E. M. Gopalakrishna Kone, Pudumandapam, Madura.
Central Book Depôt, Madura.
Vijapur & Co., Vizagapatam.
Thacker & Co., Ltd., Bombay.
D. B. Taraporevala Sons & Co., Bombay.
Ram Chandra Govind & Sons, Kalbadevi Road, Bombay.
N. M. Tripathi & Co., Booksellers, Princess Street, Kalbadevi Road, Bombay.
New and Secondhand Bookshop, Kalbadevi Road, Bombay.
J. M. Pandia & Co., Bombay.
A. H. Wheeler & Co., Allahabad, Calcutta and Bombay.
Bombay Book Depôt, Girgaon, Bombay.
Bennett Coleman & Co., Ltd., The Times of India Press, Bombay.
The Popular Book Depot, Bombay.
Lawrence & Mayo, Ltd., Bombay.
The Manager, Oriental Book Supplying Agency, 15, Shukrawar, Poona City.
Rama Krishna Bros., Opposite Vishrambag, Poona City.
S. P. Bookstall, 21, Budhwar, Poona.
The International Book Service, Poona 4.
Mangaldas & Sons, Booksellers and Publishers, Bhaga Talao, Surat.
The Standard Book and Stationery Co., 32-33, Arbab Road, Peshawar.
The Students' Own Book Depôt, Dharwar.
Shri Shankar Karnataka Pustaka Bhandara, Malamuddi, Dharwar.
The English Book Depot, Ferozepore.
Frontier Book & Stationery Co., Rawalpindi.
*Hoosenbhoy Karimji and Sons, Karachi.
The English Bookstall, Karachi.
Rose & Co., Karachi.
Keale & Co., Karachi.
Ramchandra & Sons, Ambala, Kasauli.
The Standard Bookstall, Quetta and Lahore.
U. P. Malhotra & Co., Quetta.
J. Ray & Sons, 43, K. & L., Edwardes Road, Rawalpindi, Murree and Lahore.
The Standard Book Depôt, Lahore, Nainital, Mussoorie, Dalhousie, Ambala Cantonment and Delhi.
The North India Christian Tract and Book Society, 18, Clive Road, Allahabad.
Ram Narain Lal, Katra, Allahabad.
The "Leader," Allahabad.
The Indian Army Book Depôt, Dayalbagh, Agra.
The English Book Depot, Taj Road, Agra.
Gaya Prasad & Sons, Agra.
Narayan & Co., Meston Road, Cawnpore.
The Indian Army Book Depôt, Jullundur City—Daryaganj, Delhi.
Manager, Newal Kishore Press, Lucknow.
The Upper India Publishing House, Ltd., Literature Palace, Ammuddaula Park, Lucknow.
Rai Sahib M. Gulab Singh & Sons, Mufid-I-Am Press, Lahore and Allahabad.
Rama Krishna & Sons, Booksellers, Anarkali, Lahore.
Students Popular Depôt, Anarkali, Lahore.
The Proprietor, Punjab Sanskrit Book Depôt, Saidmitha Street, Lahore.
The Insurance Publicity Co., Ltd., Lahore.
The Punjab Religious Book Society, Lahore.
The Commercial Book Co., Lahore.
The University Book Agency, Kachari Road, Lahore.
Manager of the Imperial Book Depôt, 63, Chandney Chowk Street, Delhi.
J. M. Jaina & Bros., Delhi.
Fono Book Agency, New Delhi and Simla.
Oxford Book and Stationery Company, Delhi, Lahore, Simla, Meerut and Calcutta.
Mohanlal Dossabhai Shah, Rajkot.
Supdt., American Baptist Mission Press, Rangoon.
Burma Book Club, Ltd., Rangoon.
S. C. Talukdar, Proprietor, Students & Co., Cooch Behar.
The Manager, The Indian Book Shop, Benares City.
Nandkishore & Bros., Chowk, Benares City.
The Srivilliputtur Co-operative Trading Union, Ltd., Srivilliputtur (S. I. R.).
Raghunath Prasad & Sons, Patna City.
The Students' Emporium, Patna.
K. L. Mathur & Bros., Guzri, Patna City.
Kamala Book Stores, Bankipore, Patna.
G. Banerjea and Bros., Ranchi.
M. C. Kothari, Raipura Road, Baroda.
B. Parikh & Co., Baroda.
The Hyderabad Book Depôt, Chaderghat, Hyderabad (Deccan).
S. Krishnaswami & Co., Teppakulam P. O., Trichinopoly Fort.
Standard Book and Map Agency, Book Sellers and Publishers, Ballygunge.
Karnataka Publishing House, Bangalore City.
Bheema Sons, Fort, Bangalore City.
Superintendent, Bangalore Press, Lake View, Mysore Road, Bangalore City.

AGENT IN PALESTINE :—Steimatzky, Jerusalem.
* Agents for publications on aviation only.

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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1921-22 to 1930-31.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,854	(a) 6,506	(b) 673	3,445	10,624	13·8	(a) Includes 20 square miles of reserved forests not under the management of Forest Department. (b) Includes 11 square miles of other protected forests not under the control of Forest Department.
United Provinces	106,720	(c) 5,182	4	54	5,240	4·9	(c) Includes 1 square mile of leased forests.
Punjab	96,830	(d) 1,534	(e) 3,206	(f) 552	5,292	5·4	(d) Includes 352 square miles of leased forests but excludes 500 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 71 square miles not under the control of the Forest Department. (f) Excludes 235 square miles of forest and village forest lands.
Burma	182,900	29,834	...	(g) 92,548	122,382	66·9	(g) Includes 1,108 square miles without forest growth.
Federated Shan States	60,615	3,174	...	21,477	24,651	40·6	
Bihar and Orissa	83,083	1,799	(h) 1,220	3	3,022	3·6	(h) Excludes 676 square miles not under the control of Forest Department.
Assam	55,156	6,153	...	14,829	20,982	38·0	
Central Provinces (including Berar).	99,955	(i) 19,618	...	...	19,618	19·6	(i) Includes 174 square miles of leased forests.
Coorg	1,582	519	...	...	519	32·8	
North-West Frontier Province.	13,183	(j) 245	(k)	...	245	1·8	(j) Excludes 14 square miles of Civil and Military Reserved Forests. (k) Excludes 105 square miles of civil protected forests and 133 square miles of Guzara forests.
Ajmer	2,767	141	...	...	141	5·1	
Baluchistan (portions under British Administration).	54,228†	316	...	472	788	1·4	
Andamans and Nicobar	3,143†	52	...	2,138	2,190	69·6	
Madras	142,335	(l) 18,963	...	(m) 176	19,139	13·4	(l) Includes 27 square miles of Tekadi leased forests. (m) Reserved lands.
Bombay (including Sind)	123,251	13,717	1,160	...	(n) 14,877	12·1	(n) Includes 2,344 square miles of reserved and protected forests not under the management of the Forest Department.
Total 1930-31	1,102,602‡	107,753	6,263	135,694	249,710	22·6	
,, 1929-30	1,103,486‡	107,353	6,298	135,503	249,154	22·6	
,, 1928-29	1,103,693‡	106,849	6,308	136,665	249,822	22·7	
,, 1927-28	1,103,679‡	105,588	7,658	136,864	250,110	22·6	
,, 1926-27	1,100,106‡	105,285	8,626	137,844	251,755	22·8	

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1930-31.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	41	78	7	...	...	...
United Provinces	...	17	...	...	...	...
Punjab	...	...	7	...	...	...
Burma	450	3,606	388	9,152	...	...
Federated Shan States	...	30	24	...	...	...
Bihar and Orissa	...	3	10	...	...	...
Assam	7	32	1	66	...	...
Central Provinces	1	1	...	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	316	...	316	...	...
Andamans	...	52	...	...	...	...
Madras	...	57	47	187	...	...
Bombay	31	50	28	367	...	...
Total 1930-31	530	4,242	512	10,088	...	...
1929-30	554	2,766	2,286	14,304	...	...
1928-29	1,433	2,300	1,715	3,312	...	269
1927-28	579	1,979	2,322	28,133	...	243
1926-27	448	2,506	570	32,702	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	168	1,036	1,600	2,804	202	1,176	4,182	7,211	5,387
United Provinces .	...	2,902	5,739	8,641	2	2,853	11,496	1,699	16,885
Punjab . . .	245	2,036	6,445	8,726	3	1,398	10,127	4,840	6,765
Burma . . .	355	3,520	13,744	17,619	87	3,805	21,511	8,451	33,522
Federated Shan States	...	394	955	1,349	...	561	1,910	...	2,790
Bihar and Orissa .	2	3,016	1,833	4,851	...	384	5,235	230	3,136
Assam . . .	12	1,293	1,280	2,585	11	2,352	4,948	772	10,845
Central Provinces .	108	5,415	27,130	32,683	10	3,366	36,059	136	16,414
Coorg . . .	...	72	396	468	...	67	535	...	1,684
North-West Frontier Province.	...	140	637	777	...	139	916	...	889
Ajmer . . .	...	11	222	233	...	158	391	...	200
Baluchistan . .	...	8		460	...	77	537	6	243
Andamans . .	...	...	...	36	36	23	95	...	...
Madras . . .	234	16,847	5,770	22,851	335	2,398	25,584	8,584	6,323
Bombay . . .	28	25,260	13,115	38,403	45	2,705	41,153	232	3,357
Total 1930-31 .	1,152	61,980	79,318	142,486	731	21,462	164,679	33,161	1,08,440
Total 1929-30 .	1,173	61,499	78,688	140,860	937	21,045	162,806	17,974	1,03,363
Total 1928-29 .	1,523	62,759	76,327	140,633	898	21,061	163,419	20,759	1,16,120
Total 1927-28 .	816	63,675	75,613	136,037	1,057	20,936	162,044	16,509	1,07,783
Total 1926-27 .	1,095	63,936	76,880	141,769	1,134	20,713	163,580	25,996	99,782

STATEMENT IV.

Forest survey operations from 1st April 1930 to 31st March 1931.

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1930-31.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527·00	.....	
Assam	...	...	...	...	...	...	...	...	5,684·10	.....	
Bengal	...	...	...	...	...	...	...	...	5,298·60	*7,380 0 0	* Debited against Bengal Government on account of 4-inch photo enlargements made from the new one-inch maps of forests falling in the Northern Circle.
Bihar and Orissa.	...	...	...	...	...	...	...	...	2,413·78	.....	
N.-W. F. P.	...	...	...	...	...	...	...	...	465·00	.....	
Baluchistan	...	...	...	...	...	...	...	...	241·30	.....	
Punjab	...	...	...	...	...	...	...	...	4,385·00	.....	
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Madras	Ganjam (a)	...	...	...	...	1·57	...	1·57	18,216·51	810 0 0	(a) Cost of survey Rs. 810 debitable to Forest Department.
	Central Salem (b)	...	...	...	...	4·00	...	4·00		560 0 0	(b) 19 L. M. of forest boundary theodolite traverse was done out of total cost Rs. 1,180, Rs. 560 has been adjusted by the Forest Department during the financial year 1930-31, and the balance of Rs. 620 to be adjusted during 1931-32.
India	...	...	...	...	...	...	...	...	...	.....	
Coorg	...	...	...	...	...	...	...	...	478·00	.....	
Central Provinces.	...	...	...	...	...	...	...	...	19,535·00	.....	
Bombay	...	...	...	...	...	...	...	...	13,232·90	.....	
Burma†	Mansi (c)	...	...	...	...	22·91	...	22·91	...	.....	(c) Original survey chargeable to forests, cost of survey Rs. 4,005 for the period 1st April 1930 to 31st March 1931 area is for the period 1st July 1930 to 30th June 1931 and also Rs. 27,690 cost of survey and mapping to end of field season 1929-30 area reported in form 10 of last year.

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1930 to 31st March 1931—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1930-31.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Burma—*contd*	Upper Chindwin (*d*)	...	...	...	...	321·75	...	321·75			(*d*) Includes 3·80 sq. miles of unclassed forest adjoining the Thaungdut R., 18·77 sq. miles of unclassed forest on country adjoining the Paungbyin R. and 15·59 sq. miles adjoining the Sanda and Sanda Extn. Reserves, also 209·5 L. M. of forest boundary and 163·4 L. M. of internal and connections traverse were done, cost of survey Rs. 2,04,333 chargeable to Forest Department.
	Myittha (*e*)	...	...	...	...	...	...	...			(*e*) 92·7 L. M. of theodolite traverse and 37·9 L. M. of internal and connection traverse were done in the Natmyaung and Bon Extn. I and II Reserves. Cost of survey Rs. 7,124 chargeable to Forests.
	Zigon (*f*)	...	...	...	...	8·00	...	8·00	26,902·45	2,50,151 0 0	(*f*) 21·8 L. M. of theodolite boundary traversing was done in the Thicho and Kanthouzi R. F. Cost of survey Rs. 3,802 debitable te Forests. Area is for the year ending 30th June 1931 and the cost is for the financial year ending 31st March 1931.
	Thayetmyo (*g*)	...	...	...	...	4·00	...	4·00			(*g*) This R. F. having been surveyed in parts only had to be left incomplete due to the disturbed state of the country. Cost of survey Rs. 2,345 chargeable to Forest Department, and Rs. 140 being the cost of 4-inch fair mapping of Saingdo Extn. Reserve forest.
	Tharrawaddy (*h*)	...	...	...	...	...	...	...			(*h*) 17·4 L. M. of boundary survey was done of the Thindawyo R. F. Cost of survey Rs. 522 chargeable to Forest Department.
											†Rs. 106 in Mansi, Rs. 14 in Katha, Rs. 13 in S. Pegu, Rs. 8 in Thayetmyo and Rs. 49 in Upper Chindwin Division debitable to Forests being the cost of colour patterns for forest sheets.
											Contributions to Forest Map Office by Provincial and Central Governments.
										Rs. A. P.	Rs.
TOTAL 1930-31	1st April 1930 to 31st March 1931.	...	...	...	...	362·23	...	362·23	104,694·28	2,58,901 0 0	46,000
„ 1929-30	1st April 1929 to 31st March 1930.	1,491·73	...	...	...	290·75	...	1,782·48	104,332·21	2,44,091 0 0	36,000
„ 1928-29	1st April 1928 to 31st March 1929.	1,051·59	...	122	...	300·52	...	1,474·11	102,549·73	2,50,791 0 0	36,000
„ 1927-28	1st April 1927 to 31st March 1928.	1,271·50	...	38	...	1,773·82	...	3,083·32	101,075·62	2,25,339 0 0	36,000
„ 1926-27	1st April 1926 to 31st March 1927.	4,77·09	...	743	...	162·00	...	1,382·00	97,982·00	2,19,371 6 0	36,000

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,810	...	...	6,810	64·1	47	15	3,752	10,624	...	4,578	198	2,407
United Provinces	4,984	...	...	4,984	...	178	...	78	5,240	...	1,407	302	40,499
Punjab	2,535	10	14	2,531	48	195	1	2,566	5,293	626	736	23	362
Burma	19,967	1,485	41	21,411	72	4,164	1,581	2,678	(a) 29,834	...	4,584	420	57,900
Federated Shan States	1,256	18	...	1,274	40	108	...	1,792	(a) 3,174	56	244	...	...
Bihar and Orissa	2,044	193	7	2,230	73·79	19	151	622	3,022	...	845	196	1,842
Assam	238	...	...	238	...	1,424	2,467	16,853	20,982	3	249	...	1,041
Central Provinces	17,508	1	22	17,487	89	733	375	1,023	19,618	...	2,956	...	...
Coorg	519	...	...	519	100	...	...	...	519	519	140	...	12,620
North West Frontier Province.	245	...	...	245	100	...	...	...	245	...	76	...	493
Ajmer	141	...	...	141	100	...	...	...	141	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...	...
Andaman	...	...	...	...	...	2,190	...	...	2,190	...	...	...	...
Madras	9,151	270	...	9,421	49·4	3,309	6,330	...	(b) 19,060	...	...	...	...
Bombay	8,864	38	31	8,871	71	265	272	3,125	(c) 12,533	514	1,084	147	7,787
TOTAL 1930-31	74,262	2,015	115	76,162	57·5	12,632	11,192	32,489	132,475	1,718	16,899	1,286	1,24,951
,, 1929-30	71,141	3,975	571	74,545	57·1	11,369	9,364	34,180	130,397	3,796	15,561	1,957	1,25,877
,, 1928-29	66,565	7,744	1,439	72,870	55·2	12,468	7,271	39,463	131,908	2,977	13,279	5,896	1,41,709
,, 1927-28	63,491	1,953	126	65,245	41·7	10,695	13,253	42,409	132,310	2,904	17,206	1,282	88,828
,, 1926-27	60,089	4,021	316	63,717	47·8	10,254	14,164	44,335	133,135	5,128	13,698	1,564	2,08,296

(a) Excludes unclassed forests.
(b) Includes 78 square miles of reserved lands, 1 square mile of unclassed forest and 18 square miles of leased forests, which if added to figures shown in column 3 of Statement I will agree with this total.
(c) Excludes 2,344 square miles of reserved and protected forests not under control of Forest Department, which if added will agree with the total shown in column 6 of Statement I.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs	Rs.
Bengal	25,636	6,820	43,160	47,346	12,354	1,35,316
United Provinces	1,01,347	22,190	1,05,062	1,50,923	25,379	4,03,901
Punjab	23,437	45,207	23,970	31,269	14,787	1,38,670
Burma	11,355	71	2,627	609	1,707	16,369
Federated Shan States	11,992	5,372	7,101	6,147	1,603	32,215
Bihar and Orissa	75,348	41,206	35,523	37,402	12,936	2,02,415
Assam	48,222	55,268	62,632	1,60,643	32,079	3,58,844
Central Provinces	51,127	62,978	69,142	1,10,940	32,707	3,26,889
Coorg	8,184	8,191	5,431	7,117	3,341	32,264
North-West Frontier Province	11,128	10,647	9,705	6,986	1,236	39,702
Ajmer	1,643	334	935	967	15	3,894
Baluchistan	...	90	499	60	322	971
Andamans	14,698	...	8,671	24	17,800	41,193
Madras	26,17,017	18,05,994	70,948	1,09,526	1,69,873	47,73,358
Bombay	23,303	1,34,463	30,370	93,759	12,897	2,94,792
Total 1930-31	30,23,437	21,98,826	4,75,776	7,63,718	3,39,036	68,00,793
,, 1929-30	32,73,522	22,94,638	5,90,180	10,23,334	3,74,595	75,56,269
,, 1928-29	9,88,396	8,98,325	6,07,229	8,82,607	3,30,695	37,07,252
,, 1927-28	11,04,650	7,30,363	5,95,873	9,93,460	2,51,631	36,75,977
,, 1926-27	9,46,939	8,27,657	5,54,743	8,85,997	2,56,612	24,71,948

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1929-30.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	98	1	376	8	66	451	549	145	306	26	91	171	397	370
Bengal . . B.	86	7	2,264	1,917	1,269	5,457	5,543	5,432	9,816	13	17	5,445	9,833	97
Bengal . . C.	...	98	287	...	22	407	407	...	...	...	...	...	...	...
Total .	184	106	2,927	1,925	1,357	6,315	6,499	5,577	10,122	39	108	5,616	10,230	467
United Provinces. A.	39	16	60	50	41	167	206	124	512	19	157	143	669	68
United Provinces. B.	620	164	1,660	1,681	899	4,404	5,024	3,905	10,156	437	1,050	4,342	11,206	682
United Provinces. C.	...	235	126	16	22	399	399	...	...	...	...	...	...	...
Total .	659	415	1,846	1,747	962	4,970	5,629	4,029	10,668	456	1,207	4,485	11,875	745
Punjab . . A.	717	13	734	575	432	1,754	2,471	1,032	1,621	79	224	1,111	1,845	1,139
Punjab . . B.	451	44	3,284	5,370	2,796	11,494	11,945	9,958	13,030	...	...	9,958	13,030	1,896
Punjab . . C.	...	139	94	99	41	373	373	...	...	...	...	...	...	...
Total .	1,168	196	4,112	6,044	3,269	13,621	14,789	10,990	14,651	79	224	11,069	14,875	3,035
Burma . . A.	...	9	1,204	38	304	1,555	2,343	1,554	2,081	240	523	1,794	2,604	...
Burma . . B.	...	13	5,988	274	2,137	8,412	9,834	8,074	9,677	...	...	8,074	9,677	...
Burma . . C.	...	...	54	...	20	74	74	...	...	...	...	...	...	...
Total .	*2,210	22	7,246	312	2,461	10,041	12,251	9,628	11,758	240	528	9,868	12,281	*1,769
Federated Shan States, A.	...	...	2	...	1	3	5	4	5	1	2	5	7	...
Federated Shan States, B.	...	9	164	17	52	242	257	205	235	...	...	205	235	...
Federated Shan States, C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	*17	9	166	17	53	245	262	209	240	1	2	210	242	*23
Bihar and Orissa A.	31	7	185	22	34	248	279	159	543	27	113	186	656	56
Bihar and Orissa B.	195	6	1,985	255	108	2,354	2,549	2,413	6,507	6	16	2,419	6,523	122
Bihar and Orissa C.	...	81	14	...	...	95	95	...	...	...	...	...	...	...
Total .	226	94	2,184	277	142	2,697	2,923	2,572	7,050	33	129	2,605	7,179	178
Assam . . A.	119	...	156	11	140	307	426	252	461	45	106	297	567	129
Assam . . B.	239	3	1,190	63	512	1,768	2,007	1,655	2,673	80	194	1,735	2,867	272
Assam . . C.	...	...	1	...	1	2	2	...	...	...	...	...	...	...
Total .	358	3	1,347	74	653	2,077	2,435	1,907	3,134	125	300	2,032	3,434	401
Central Provinces. A.	43	2	330	380	60	772	815	564	1,728	184	594	748	2,322	67
Central Provinces. B.	1,902	96	7,437	9,066	783	17,382	19,284	16,233	50,039	114	218	16,347	50,257	2,937
Central Provinces. C.	...	277	857	51	15	1,200	1,200	...	...	...	...	...	...	...
Total .	1,945	375	8,624	9,497	858	19,354	21,299	16,797	51,767	298	812	17,095	52,579	3,004
Coorg . . A.	...	...	1	...	3	4	4	2	5	...	...	2	5	2
Coorg . . B.	...	...	6	15	7	28	28	28	49	...	12	28	61	...
Coorg . . C.	...	...	2	4	...	6	6	...	...	...	...	...	...	...
Total .	...	...	9	19	10	38	38	30	54	...	12	30	66	2
North-West Frontier Province. A.	168	...	216	103	...	319	487	174	368	65	201	239	569	229
North-West Frontier Province. B.	6	2	2,125	1,540	40	3,707	3,713	3,713	5,238	...	...	3,713	5,238	...
North-West Frontier Province. C.	...	8	1	1	...	10	10	...	...	...	...	...	...	...
Total .	174	10	2,342	1,644	40	4,036	4,210	3,887	5,606	65	201	3,952	5,807	229

* Burma and Federated Shan States have not shown separately "A", "B" and "C" in columns 2 and 15. They have given the totals only.

STATEMENT VII.—*contd.*

Breaches of Forest rules—*contd.*

Province.		Cases pending from 1929 30.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Totals.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	3	...	8	17	1	26	29	14	23	2	4	16	27	13
	B.	...	8	328	1,327	33	1,696	1,696	1,696	3,872	...	...	1,696	3,872	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	3	8	336	1,344	34	1,722	1,725	1,710	3,895	2	4	1,712	3,899	13
Baluchistan	A.	10	...	25	30	4	59	69	45	71	11	50	56	121	13
	B.	...	1	78	198	...	277	277	277	403	...	...	277	403	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	10	1	103	228	4	336	346	322	474	11	50	333	524	13
Andamans	A.	1	...	...	...	...	...	1	...	...	...	...	...	...	1
	B.	...	...	1	...	...	1	1	1	1	...	...	1	1	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	1	...	1	...	...	1	2	1	1	...	...	1	1	1
Madras	A.	1,993	80	5,842	1,385	311	7,618	9,611	2,725	7,293	4,751	11,382	7,476	18,674	2,135
	B.	3,325	103	11,874	2,710	1,164	15,851	19,176	13,365	26,458	1,714	3,759	15,079	30,217	4,007
	C.	3	1,061	302	15	11	1,329	1,332	...	...	...	...	...	...	...
	Total	5,321	1,184	18,018	4,110	1,486	24,798	30,119	16,090	33,750	6,465	15,141	22,555	48,891	6,142
Bombay	A.	167	24	241	270	91	626	793	514	1,712	40	152	554	1,865	239
	B.	2,064	227	7,389	6,029	2,142	15,787	17,851	15,519	36,962	17	30	15,536	36,992	2,315
	C.	...	1,873	1,865	83	60	3,881	3,881	...	...	...	...	...	...	...
	Total	2,231	2,124	9,495	6,382	2,293	20,294	22,525	16,033	38,675	57	182	16,090	38,857	2,554
Grand Total	A.	3,359	152	9,380	2,889	1,468	13,909	18,088	7,308	16,729	5,490	13,599	12,798	30,328	4,456
	B.	8,888	683	45,773	30,462	11,942	88,860	99,185	82,474	175,116	2,381	5,296	84,855	180,412	12,328
	C.	3	3,712	3,603	269	192	7,776	7,779	...	...	...	...	...	...	...
Total 1930-31		12,280	4,547	58,756	33,620	13,622	110,545	125,052	89,782	191,845	7,871	18,895	97,653	210,740	16,784
„ 1929-30		13,710	4,302	55,959	33,994	15,887	110,142	126,025	97,713	196,182	5,939	14,870	103,652	211,002	11,722
„ 1928-29		12,770	4,737	58,451	34,880	14,388	112,456	128,004	96,584	193,820	5,094	13,366	101,745	207,186	13,820
„ 1927-28		13,338	4,366	57,518	35,046	13,291	110,221	125,296	97,561	197,064	6,051	14,081	103,612	211,145	13,035
„ 1926-27		12,424	4,095	57,383	36,033	12,653	110,160	124,647	95,676	198,907	5,615	14,030	101,291	212,957	13,329

N. B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1929-30.	1930-31.	
1	2	3	4	5	6	7
Bengal	1,533	1,518	23·3	0·4	0·9	
United Provinces	3,314	3,220	62·1	2·02	2·8	
Punjab	1,206	1,130	73·6	0·8	6·3	
Burma	147	137	0·45	6·7	6·8	
Federated Shan States	9	5	0·15	...	44·4	
Bihar and Orissa	1,554	1,449	80·5	4·0	6·7	
Assam	18	17	0·27	41·4	5·5	
Central Provinces	13,151	12,730	64·8	4·6	3·2	
Coorg	230	223	42·9	0·4	3·04	
North-West Frontier Province	87	87	35·5	2·7	...	
Ajmer	140	140	99·2	0·14	...	
Madras	15,232	14,464	76·2	4·0	5·0	
Bombay	9,217	8,742	63·7	4·7	5·1	
Total 1930-31	45,838	43,862	40·7	3·9	4·3	
„ 1929-30	46,178	43,997	40·9	3·6	4·7	
„ 1928-29	43,993	41,993	41·1	3·6	4·5	
„ 1927-28	42,173	40,208	39·9	8·2	4·6	
„ 1926-27	38,814	37,659	36·9	9·0	2·9	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	5	...	4	1	29	4	6	1	40	9	84	15
United Provinces . . .	28	7	32	24	113	19	71	25	77	19	321	94
Punjab	3	...	7	7	137	4	50	68	10	1	207	80
Burma	3	...	7	...	26	3	7	1	39	5	82	9
Federated Shan States . .	...	...	...	...	2	4	...	...	2	...	4	4
Bihar and Orissa . . .	5	2	18	19	14	7	2	...	68	77	107	105
Assam	...	...	2	...	14	1	1	...	...	...	17	1
Central Provinces . . .	39	127	73	62	97	56	5	1	371	176	585	422
Coorg	1	...	5	1	3	...	11	2	16	4	36	7
North-West Frontier Province .	...	...	..	...	9	...	1	...	...	...	10	...
Ajmer	...	...	...	...	8	1	...	...	...	...	8	1
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	...	...	..	...	...	...	...	...	...	...	...	...
Madras	23	5	159	118	403	156	398	314	663	196	1,646	789
Bombay	37	5	202	72	503	77	123	45	1,314	351	2,179	550
Total 1930-31 . . .	144	146	509	304	1,558	332	675	457	2,600	838	5,286	2,077
„ 1929-30 . . .	190	179	552	412	1,360	458	589	852	2,562	937	5,253	2,838
„ 1928-29 . . .	195	52	629	412	1,543	521	598	182	2,650	928	5,615	2,095
„ 1927-28 . . .	124	61	536	304	1,335	414	826	564	2,139	722	4,960	2,065
„ 1926-27 . . .	246	76	464	142	1,317	268	679	165	1,817	645	4,523	1,296

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6.)
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,329	...	4,169	...	126	...	10,624
United Provinces	2,039	68	2,224	21	860	28	5,240
Punjab	473	30	4,221	102	353	14	5,292
Burma	22,501	...	89	234	2,509	4,501	122,382
Federated Shan States	2,246	...	...	75	792	61	24,651
Bihar and Orissa	635	...	612	...	1,717	54	3,022
Assam	4,325	...	15,085	...	1,572	...	20,982
Central Provinces	2,946	79	4,041	9	12,552	44	19,618
Coorg	80	439	...	...	...	439	519
North-West Frontier Province	63	...	8	...	174	...	245
Ajmer	28	110	...	...	3	110	141
Baluchistan	218	...	83	7	8	316	788
Andamans	52	...	...	...	358	...	2,190
Madras	1,786	189	13,304	39	596	9	19,139
Bombay	1,456	308	3,458	...	9,636	19	14,877
Total 1930-31	45,177	1,223	47,294	487	31,256	5,695	249,710
Total 1929-30	44,819	1,030	46,303	586	31,292	5,932	249,154
Total 1928-29	44,809	1,070	45,747	670	31,533	5,607	249,822
Total 1927-28	44,576	1,572	49,851	899	31,023	5,400	133,321
Total 1926-27	44,699	1,707	51,291	641	30,401	5,286	134,025

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	3,214	31,972	192	...	25	79	1,798	...	...	5
United Provinces	51,932	138,603	107,536	3,159	1,501	6,638	27,304	20,117	...	61
Punjab	10,703	19,612	398,097	21,597	1,368	292	10,737	472,514	103	132
Burma	4,619	25,044	...	...	15	...	...	...	...	...
Federated Shan States	4,062	530	...	...	...	...	...	...	...	...
Bihar and Orissa	6,789	26,274	1,531	...	...	6,454	13,653	...	...	...
Assam	8,741	4,985	350	...	64	234	300	...	...	...
Central Provinces	237,449	630,288	337,824	494	3,040	120,355	1,761,650	1,457	...	38
Coorg	379	2,958	...	...	...	...	...	...	...	...
North-West Frontier Province	2,630	3,886	45	...	57	...	...	...	...	...
Ajmer	1,401	13,678	...	...	...	4,212	18,132	...	...	...
Baluchistan	151	2,614	869	...	168	...	...	...	...	...
Madras	78,309	1,019,010	928,635	...	21	17,359	114,972	74,260	...	23
Bombay	18,267	65,828	37,608	392	6,010	185,036	840,023	331,173	...	2,576
Total 1930-31	428,646	1,985,282	1,812,687	25,642	12,269	340,659	2,788,569	949,521	103	2,885
„ 1929-30	506,117	2,272,384	2,031,369	45,878	15,194	428,243	3,099,178	875,249	18	4,528
„ 1928-29	501,532	2,171,060	2,075,638	24,870	12,669	412,668	3,112,907	969,833	180	3,693
„ 1927-28	495,896	2,142,272	1,902,245	57,641	14,667	396,818	3,082,466	1,046,694	...	4,146
„ 1926-27	493,666	1,822,588	1,517,086	110,404	13,150	382,373	3,022,782	971,465	396	4,239

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,362	4,020	...	...	27	42,694
40,899	467,882	46,028	...	1,550	7,558	37,615	61,571	...	183	1,020,142
233,563	822,010	963,587	1,687	38,368	5,468	28,018	417	17	351	3,028,691
128,436	238,440	...	...	1,972	19,187	733	...	...	9,661	428,107
1,849	11,017	...	...	...	1,110	...	...	...	424	16,993
39,203	244,006	74,924	...	15	241	881	321	...	2	414,294
29	28	...	...	...	2,016	6,587	1,402	...	...	24,736
...	375	...	...	...	1,714	140,186	367	10	156	3,235,403
10	450	...	...	...	3,089	14,976	...	...	...	21,862
5,366	6,699	...	...	...	...	...	...	...	...	18,683
474	1,875	...	...	...	...	...	...	...	...	39,772
...	3,386	50,069	...	1,500	...	...	...	...	...	58,757
1,323	8,675	3,972	...	...	7,749	66,411	209	...	...	2,320,928
2,157	6,213	3	...	21	106,894	493,722	820	1,704	2,928	2,151,405
453,309	1,811,086	1,138,588	1,687	43,426	156,388	793,149	65,107	1,731	13,737	12,824,466
364,210	1,682,848	1,498,514	326	204,041	132,329	837,135	68,838	1,058	16,438	14,080,484
395,493	1,710,456	1,513,008	326	203,406	136,934	845,151	66,130	1,053	16,793	14,173,803
389,584	1,687,046	1,468,673	326	203,418	140,934	843,769	70,536	9,752	17,158	13,974,041
403,637	1,667,932	1,42?,919	286	188,114	135,853	817,569	71,250	8,606	18,582	13,090,897

STATEMENT XII.

Progress in concentrated regeneration and afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	*	*	*	2,539	77,547
United Provinces	6,564	523	358	7,445	1,61,494
Punjab	1,466	1,846	2,606	5,918	3,08,351
Burma	3,033	4,298	1,000	8,331	1,64,958
Federated Shan States	...	364	...	364	31,678
Bihar and Orissa	*	*	*	14,443	17,899
Assam	*	*	*	2,612	35,862
Central Provinces	*	*	*	807	9,597
Coorg	*	*	*	383	23,822
North-West Frontier Province	483	572	...	1,055	7,158
Ajmer	*	*	*	1,576	213
Baluchistan	*	*	*	3	999
Andamans	*	*	*	154	15,393
Madras	*	*	*	5,864	79,437
Bombay	*	*	*	59,713	81,718
Total 1930-31	@	@	@	1,11,258	10,16,126

* Information not available.

@ Not totalled as the information was incomple'e.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 23,775,000	(a) 4,87,595	383,000	3,013	1,046,000	68,502	25,204,000	5,59,110	3,654	75	569	4	303	20	2,372	52
United Provinces	(a) 31,075,000	(a) 15,59,298	15,000	419	228,000	8,735	31,318,000	15,68,452	5,996	301	3,750	105	4,222	162	5,977	299
Punjab . .	(a) 9,761,000	(b) 5,30,879	14,772,000	10,85,308	5,153,000	3,07,737	29,686,000	(c) 19,23,924	6,363	346	4,637	336	9,335	557	5,609	363
Burma . .	35,467,000	4,16,673	...	...	56,809,000	3,19,629	92,276,000	7,36,302	1,189	14	...	...	613	8	754	6
Federated Shan States .	2,450,000	28,546	...	...	2,342,000	1,34,261	4,792,000	1,62,807	772	9	...	...	109	6	194	6
Bihar and Orissa.	4,435,000	1,13,994	6,033,000	1,29,859	...	...	10,468,000	2,43,853	2,465	63	4,045	106	...	...	3,434	81
Assam . .	(e) 5,207,000	(e) 2,13,690	...	...	10,202,000	5,38,851	15,409,000	7,52,541	846	35	...	...	688	36	734	36
Central Provinces	36,669,000	(a) 29,02,547	...	...	...	...	36,669,000	29,02,547	1,869	148	...	...	...	...	1,869	148
Coorg . .	275,277	21,177	182,911	875	...	...	458,188	21,552	530	41	...	...	...	...	883	41
North-West Frontier Province.	(g) 3,224,000	(d) 94,823	...	...	...	...	3,224,000	94,823	13,159	387	...	...	...	...	13,159	387
Ajmer . .	477,319	51,081	...	...	...	...	477,319	51,081	3,385	362	...	...	...	...	3,385	362
Baluchistan .	250,709	60,127	...	...	159,037	47	410,736	60,174	793	190	...	...	289	...	521	76
Andamans . .	173,745	2,767	...	...	3,760,841	5,731	3,934,586	8,498	3,341	53	...	...	1,759	3	1,706	4
Madras . .	(a) 21,141,000	11,61,550	...	...	(f) 3,361,000	4,95,356	24,502,000	16,56,906	1,115	61	...	...	19,096	2,814	1,280	86
Bombay . .	(a) 16,199,000	18,32,647	27,466,000	11,437	359,000	...	(h) 44,024,000	18,44,284	1,181	133	23,677	10	...	...	2,959	124
Total 1930-31 .	190,580,140	94,77,594	48,851,911	12,30,411	83,420,778	18,78,849	322,852,829	1,25,86,854	1,768	88	7,800	196	615	14	1,223	50
,, 1929-30 ,	208,009,450	1,11,80,123	52,796,800	14,39,022	89,257,271	24,61,800	350,063,521	1,50,83,945	1,938	104	8,383	228	658	18	1,405	60
,, 1928-29 .	223,243,569	1,04,07,136	54,847,958	14,77,342	86,038,058	32,93,838	364,129,585	1,51,78,316	2,190	97	8,695	234	739	23	1,457	60
,, 1927-28 .	247,988,325	1,02,94,088	25,099,187	14,71,621	97,086,255	25,43,754	370,173,767	1,43,15,363	2,348	97	3,277	192	709	18	1,490	57
,, 1926-27 .	248,248,914	90,61,583	21,486,407	25,42,038	93,300,585	29,84,382	362,035,906	1,45,87,903	2,358	86	2,491	292	669	21	1,433	58

(a) Includes leased forests.
(b) ,, Rs. 412 on account of fruit culture.
(c) ,, Rs. 60,642 on account of resin profit for 1929-30.
(d) ,, Rs. 10,192 ,, ,, ,, 1929-30.
(e) ,, shared forests.
(f) Reserved and unreserved lands.
(g) Includes Guzara forests.
(h) Excludes 15780 c. ft. Sandal wood.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Provinces.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	332,000	12,087,000	17,000	...	12,436,000	821,000	11,422,000	525,000	...	12,768,000
United Provinces	299,000	7,068,000	118,000	833,000	8,318,000	268,000	8,780,000	297,000	13,655,000	23,000,000
Punjab	1,222,000	1,359,000	131,000	1,140,000	3,852,000	1,406,000	2,437,000	85,000	21,906,000	25,834,000
Burma	2,783,000	34,238,000	115,000	559,000	37,695,000	825,000	51,935,000	54,000	1,767,000	54,581,000
Federated Shan States	19,000	3,845,000	29,000	210,000	4,103,000	46,000	466,000	2,000	175,000	689,000
Bihar and Orissa	78,000	1,943,000	62,000	395,000	2,478,000	255,000	2,810,000	65,000	4,865,000	7,995,000
Assam	571,000	6,100,000	747,000	...	7,418,000	478,000	3,825,000	3,691,000	7,000	7,991,000
Central Provinces	5,787,000	3,212,000	277,000	...	9,276,000	7,418,000	16,308,000	1,540,000	2,127,000	27,393,000
Coorg	128,832	114,321	...	...	243,153	56,135	158,900	...	...	215,035
North-West Frontier Province	885,000	28,000	7,000	5,000	905,000	79,000	207,000	1,217,000	816,000	2,319,000
Ajmer	...	4,202	...	113	4,315	240,094	232,910	..	...	473,004
Baluchistan	1,713	1,394	1,088	...	4,195	33,400	372,341	800	...	406,541
Andamans	2,287,317	15,629	39,585	162,500	2,505,031	887,622	15,073	316,680	209,280	1,429,555
Madras	1,707,000	2,070,000	204,000	34,000	4,015,000	1,108,000	19,198,000	112,000	69,000	20,487,000
Bombay	1,574,000	3,833,000	131,000	328,000	5,886,000	1,170,000	38,746,000	75,000	8,147,000	38,138,000
Total 1930-31	17,669,862	75,918,546	1,878,673	3,666,613	99,133,694	15,591,251	146,914,124	7,970,480	53,243,280	223,719,135
„ 1929-30	21,413,337	87,246,019	1,839,363	3,642,104	114,140,826	19,219,943	154 445,552	9,335,560	52,921,640	235,922,695
„ 1928-29	20,097,720	98,943,784	1,833,959	4,179,432	125,050,695	23,796,098	153,576,852	9,392,240	52,373,700	239,138,890
„ 1927-28	17,768,221	103,065,812	2,264,140	3,979,417	127,077,590	23,530,541	144,227,696	10,112,280	65,205,660	243,096,177
„ 1926-27	18,468,738	102,220,343	1,962,845	3,892,607	126,544,533	19,174,573	157,304,879	10,003,320	49,008,600	235,491,372

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . .	449	1,82,760	767	...	1,83,966	...	39,688	40,468	...	80,156	10,005	2,83,301	1,682	...	2,94,988
United Provinces .	215	56,780	70	7,357	64,321	8,956	1,75,925	15,706	3,23,421	5,23,008	5,13,126	4,12,642	4,270	51,025	9,81,063
Punjab . . .	13,885	3,549	...	618	18,052	64	1,37,790	40,702	14,04,963	15,83,609	2,88,442	11,220	16	22,585	3,22,263
Burma . . .	591	2,33,542	46	8,712	2,42,821	55	20,386	55,285	1,25,476	2,01,202	8,203	2,40,962	45	43,069	2,92,279
Federated Shan States.	...	5,760	...	1,890	7,650	...	3,740	9,508	6,318	19,573	191	1,32,155	196	3,043	1,35,585
Bihar and Orissa .	905	53,000	1,473	4,164	59,545	...	8,002	164	1,08,494	1,17,320	2,182	59,228	154	5,424	66,988
Assam . .	20	61,004	6,223	...	67,247	1	75,183	10,157	22	85,363	61,801	3,52,678	1,85,295	97	5,99,931
Central Provinces .	8,054	3,15,222	7,577	5,082	3,36,535	2,635	15,50,905	1,64,340	3,05,456	21,13,336	1,33,311	2,65,080	39,310	15,025	4,52,676
Coorg . . .	65	1,709	29	...	1,803	...	209	4,903	116	5,028	...	13,819	2	...	13,821
North-West Frontier Province.	...	...	...	...	...	...	7,277	81	5,687	13,045	81,393	281	5	100	81,778
Ajmer . . .	...	801	...	...	801	2,405	20,712	1,486	22,994	47,587	356	2,337	...	...	2,693
Baluchistan . .	...	...	...	...	...	...	1,716	504	53,410	55,720	369	4,051	17	17	4,454
Andamans . .	5	17	1,319	70	1,411	...	...	...	...	...	...	2,589	4,355	143	7,087
Madras . . .	9,389	3,81,568	2,839	107	3,93,900	...	5,68,208	44,734	5,611	6,18 553	18,113	6,22,762	2,574	1,004	6,44,453
Bombay . .	60	1,40,724	1,847	50,038	1,92,669	...	6,46,834	19,627	7,78,679	14,45,190	10,585	1,52,050	3,180	40,010	2,00,425
TOTAL 1930-31 .	34,165	14,26,385	22,193	78,038	15,70,781	14,506	33,57,991	4,07,815	32,29,547	69,09,589	11,28,136	25,55,705	2,41,101	1,81,542	41,06,484
„ 1929-30 .	52,562	16,03,051	30,837	88,754	18,20,754	9,114	34,94,407	3,63,111	34,18,659	72,85,381	11,36,408	39,36,376	2,08,149	6,27,877	59,08,810
„ 1928-29 .	65,536	17,10,791	34,125	81,712	18,91,664	6,899	36,07,577	3,77,063	37,12,754	77,04,293	11,38,919	39,48,251	2,03,643	2,31,543	55,82,356
„ 1927-28 .	55,196	16,54,114	40,304	80,751	18,30,365	9,887	33,46,524	3,60,279	33,65,844	70,82,334	13,50,140	36,10,053	2,51,018	1,90,944	54,02,164
„ 1926-27 .	76,107	16,96,690	38,244	77,096	18,88,397	27,038	35,58,037	3,67,111	32,39,590	71,01,771	11,69,171	38,05,637	2,50,533	1,92,404	55,07,735

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.		Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1930-31.	
		Average of 5 years 1925-26 to 1929-30.	In 1930-31.	Total.	Per ton.
1		2	3	4	5
				Rs.	Rs.
Caoutchouc, raw		10,931	10,414	1,29,75,198	1,246
Lac	Button	1,092	1,184	17,22,321	1,455
	Shell	22,749	18,321	2,28,64,866	1,248
	Stick, seed and other kinds	7,038	7,853	67,86,595	864
Cutch and gambier		2,371	2,407	9,00,968	374
Myrabolams		68,140	65,178	77,71,377	119
Cardamums		401	674	22,43,938	3,329
Sandal		948	708	11,83,743	1,672
Teak		54,735	40,211	1,17,08,389	291
Other kinds of wood and timber*		...	...	11,54,754	...
	TOTAL 1930-31	...	...	6,93,12,149	...
	„ 1929-30	...	...	11,66,44,764	...
	„ 1928-29	...	...	13,49,23,946	...
	„ 1927-28	...	...	12,73,46,767	...
	„ 1926-27	...	...	10,83,30,009	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1927-1931.		Imports of sleepers of wood for railways into British India, 1927-1931.	
	Cubic tons.	Rs.	Tons.	Rs.
1927	26,002	33,44,387	14,704	16,60,677
1928	23,860	28,90,525	1,950	2,27,845
1929	26,544	31,83,922	8	1,232
1930	26,413	36,03,907	...	...
1931	17,948	20,31,273	...	...

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	862	11,538	767	46,455	1,682	61,304
United Provinces	89,000	1,26,000	7,000	...	55,000	2,77,000
Punjab	78,078	9,26,885	...	...	14,68,674	24,73,937
Burma	63,196	10,883	9,734	1,80,761	42,138	3,06,712
Federated Shan States	14,109	1,437	1,907	15,826	3,222	36,501
Bihar and Orissa	53,442	57,384	4,544	1,08,658	5,578	2,29,606
Assam	48,339	44,662	13,394	12,257	1,77,742	2,96,394
Central Provinces	25,693	75,836	13,357	13,64,781	36,080	15,15,747
Coorg	51	...	29	5,029	2	5,111
North-West Frontier Province	2,424	42,961	...	5,768	105	51,258
Ajmer	43	...	...	24,381	...	24,424
Baluchistan	272	...	...	54,021	...	54,293
Andamans	15,805	4,933	1,890	...	4,498	26,626
Madras	31,697	20,707	2,627	21,293	3,047	79,370
Bombay	1,11,047	1,66,875	51,885	7,98,812	42,684	11,71,303
TOTAL 1930-31	5,34,058	14,90,101	1,06,634	26,38,041	18,40,752	66,09,586
„ 1929-30	4,32,355	12,75,935	1,35,432	23,37,166	24,53,193	66,34,081
„ 1928-29	5,65,802	12,71,552	1,36,383	22,30,938	24,53,827	66,58,502
„ 1927-28	6,02,636	15,10,291	1,45,106	22,67,448	24,33,483	69,58,964
„ 1926-27	5,91,572	14,36,747	1,42,861	21,52,169	24,34,531	67,57,880

STATEMENT XVII.

Details of revenue and expenditure for the financial year 1930-31.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	2,29,77,499	72·7
			(b) Minor forest produce	27,60,658	8·7
			(c) Forest stamps and Commutation fees for forest produce	92,694	0·3
			(d) Grazing	35,48,364	11·2
			(e) Revenue from forests not managed by Government	1,31,324	0·4
			(f) Miscellaneous	22,07,470	6·7
			Total Revenue	3,16,18,009	—
Expenditure	A Recurring	(a) Administration.	(i) Superior Staff	1,40,94,323	57·4
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	68,21,920	27·8
			(2) Roads and Buildings	14,25,324	5·8
			(3) Fire protection	2,91,579	1·2
			(4) Cultural operations	8,15,825	3·3
			(5) Live-stock, stores and plant	4,69,103	1·9
			(6) Working-Plans	18,941	0·1
			(7) Rent for leased forests	2,74,672	1·1
			(8) Miscellaneous	3,25,464	1·3
		(c) Expenditure on realization of revenue from forests not managed by Government.		17,554	0·1
		(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).*		—	—
		Total		2,45,54,705	—
	B Extraordinary	(e) Forest Settlement		748	0·0
		(f) Forest Survey		9,238	0·3
		(g) Forest Demarcation		72,126	2·3
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		10,35,284	33·5
		(i) Share of Capital charges transferred to 8-A		19,72,464	63·3
		Total		30,89,860	—
		GRAND TOTAL OF EXPENDITURE		2,76,44,565	—
		Net Revenue (Excluding Burma and Federated Shan States.)		39,73,444	—

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the financial year 1930-31.

(Burma and Federated Shan States only.)

				Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood			1,32,61,820	84·6
	(*b*) Minor forest produce			3,54,783	2·3
	(*c*) Grazing			24,131	0·2
	(*d*) Revenue from forests not managed by Government			2,57,171	1·6
	(*e*) Miscellaneous			17,70,945	11·3
			Total Revenue	1,56,68,850	...
Expenditure	A Recurring	(*a*) Administration.	(*i*) Superior Staff	51,22,692	77·5
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		
			(*iii*) Office Establishments (including Contingencies).		
		(*b*) Working	(1) Extraction	3,30,876	5·0
			(2) Roads and Buildings	3,50,569	5·3
			(3) Fire protection	35,183	0·5
			(4) Live-stock, stores and plant	2,42,628	3·7
			(5) Working Plans, revision and maintenance.	46,006	0·7
			(6) Maintenance of boundaries	37,166	0·6
			(7) Regeneration and improvement	1,68,599	2·5
			(8) Silvicultural Research	7,597	0·1
			(9) Utilisation Research	...	...
			(10) Other Works	1,31,270	2·0
			(11) Miscellaneous	1,39,172	2·1
			Total	66,11,758	...
	B Extraordinary	(*c*) Forest Survey		...	...
		(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		2,49,334	26·3
		(*e*) Share of capital charges transferred to 8-A		7,00,146	73·7
			Total	9,49,480	...
			GRAND TOTAL OF EXPENDITURE	75,61,238	...
			Net Revenue	81,07,612	...

(Burma and Federated Shan States only.)

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	4,18,736	8,60,763	15,44,005	11,44,459	8,147	5,84,180
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	18,16,400	39,54,357	3,66,030	1,32,84,750	7,90,979	14,58,403
III.—Drift and waif wood and confiscated forest produce.	...	9,137	1,658	1,26,683	1,98,101	571	25,299
IV.—Revenue from forests not managed by Government.	...	...	23,403	1,438	2,57,171	...	49,285
V.—Miscellaneous	...	67,776	1,35,937	3,46,742	7,84,369	11,710	1,45,910
TOTAL REVENUE .	...	23,12,049	49,76,118	23,84,898	1,56,68,850	8,11,407	22,63,077
EXPENDITURE.							
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	1,61,559	3,66,842	8,07,779	90,809	6,029	5,00,406
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,78,390	2,32,840	1,999	1,90,957	31,228	41,198
III.—Drift and waif wood and confiscated forest produce.	...	1,552	420	34,306	49,110	26	632
IV.—Revenue from forests not managed by Government.	...	...	15,454	...	6,423	2,100	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	7,045	1,29,868	...	2,000	52,597
VI.—Live-stock, stores, tools and plant . .	...	26,106	69,893	5,925	2,42,628	3,703	28,646
VII.—Communications and buildings . .	...	1,09,753	3,29,869	65,844	3,50,569	82,667	2,41,363
VIII.—Demarcation, improvements and extension of forests.	...	1,06,385	3,50,476	88,072	4,24,923	43,450	59,009
IX.—Miscellaneous	...	17,259	12,986	(a)—63,721	1,33,647	13,456	21,212
Total A.—Conservancy, Maintenance and Regeneration.	...	6,01,004	13,85,765	10,70,072	14,89,066	1,84,659	9,45,063
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	(b) 1,93,252	8,68,191	17,45,994	11,48,159	51,22,692	5,06,892	9,26,505
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	48,511	72,605	1,20,091	2,49,334	43,144	79,238
D.—Total share of Capital charges transferred to 8-A (i.e., Capital charges met from Revenue).	...	77,423	74,259	4,63,142	7,00,146	...	1,65,783
E.—Total Capital Outlay under 52-A (i.e., not transferred to 8-A).	...	...	...	...	...	1,50,458	21,200
GRAND TOTAL OF EXPENDITURE (Excluding expenditure under E.) .	1,93,252	15,95,129	32,78,623	28,01,464	75,61,238	7,34,695	21,16,589
SURPLUS (Excluding expenditure under E.) .	...	7,16,920	16,97,495	...	81,07,612	76,712	1,46,488
DEFICIT .	1,93,252	...	...	4,16,566	...	...	...
Proportion of surplus to gross revenue . .	...	31	34	...	52	9	6
Net revenue per square mile of forest area under control of Forest Department.	...	68	324	...	55	25	7

(a) Work advances after deducting expenditure under IX-Miscellaneous.

(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XVIII.

Forest Department in India for the financial year 1930-31.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
17,01,613	2,50,931	7,39,063	44,450	6,078	19,19,406	...	15,14,957	18,45,119	1,25,81,907
29,80,095	46,311	17,944	41,054	11,821	3,801	...	30,30,031	29,43,526	3,07,45,502
1,391	...	10,224	...	6	...	...	3,54,477	2,286	7,29,883
19,554	...	9,596	...	4,796	...	...	...	23,252	3,88,495
4,09,241	11,831	27,075	9,769	6,576	14,389	90,605	3,69,622	4,09,570	28,41,122
51,11,894	3,09,073	8,03,902	95,273	29,277	19,37,596	90,605	52,69,087	52,23,753	4,72,86,859
6,68,481	46,451	4,80,032	27,129	2,346	9,89,761	...	6,48,425	11,18,328	59,14,377
2,03,778	...	...	765	...	660	...	2,07,666	57,733	11,47,214
125	...	4,629	...	...	...	...	355	...	91,205
...	...	...	...	...	...	...	...	...	23,977
16,608	...	20,835	...	292	...	...	7,536	37,891	2,74,672
26,196	17,646	...	323	150	1,53,461	12,013	1,05,294	19,747	7,11,731
1,97,123	14,545	50,972	13,449	972	4,313	1,769	1,78,608	1,34,137	17,75,893
1,95,508	41,462	8,554	2,308	1,297	22,801	...	1,59,165	1,30,088	16,33,498
36,883	2,874	7,177	436	499	9,528	2,15,114	12,475	39,168	4,58,993
13,44,702	1,22,978	5,72,249	44,410	5,556	11,80,524	2,28,896	13,19,524	15,37,092	1,20,31,560
22,92,642	1,04,051	1,61,448	84,217	36,169	1,66,033	7,02,511	27,68,365	24,19,894	1,92,17,015
1,94,178	14,208	22,377	1,134	...	48,625	8,125	1,64,318	2,18,780	12,84,618
1,29,295	56,113	37,634	4,060	...	3,31,836	29,935	4,27,114	1,75,870	26,72,619
39,564	...	...	...	...	...	...	...	...	2,11,217
39,60,817	2,97,350	8,13,708	83,821	41,725	17,27,018	9,69,467	46,79,321	43,51,586	3,52,05,803
11,51,077	11,723	...	11,452	...	2,10,578	...	5,89,766	8,72,167	1,35,91,990
...	...	9,806	...	12,448	...	8,78,862	...	...	15,10,934
22	4	...	12	...	11	...	11	17	29
59	22	...	81	...	96	...	31	70	55

STATE

Revenue of the Forest Department throughout India for the 32 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal*	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,389	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab	6,57,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam†	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,631	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras	6,03,243	5,88,389	8,06,020	13,00,461	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,63,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553	29,551
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515
United Provinces	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399 (a)
Bihar and Orissa	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085
Assam	13,09,956	14,92,718	14,81,590	15,31,994	12,97,627	17,13,853	19,74,292
Central Provinces and Berar	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,66,979	51,04,929
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947
North-West Frontier Province	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978	55,422
Baluchistan	17,934	25,108	17,937	22,544	17,229	14,939	22,403
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339
Forest Surveys (Imperial)	...	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604
GRAND TOTAL	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1930-31 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,772	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,36,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,732	13,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,87,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	12,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,350	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,76,61,930	GRAND TOTAL.

1924-25.	1925-26.	1926-27	1927-28.	1928-29.	1929-30.	1930-31.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
30,100	...	...	...	...	...	...	Imperial.
24,75,529	28,56,420	31,23,841	33,49,480	31,18,357	30,52,078	23,12,049	Bengal.
69,21,987	64,26,281	58,71,303	72,01,183	61,80,391	61,79,638	49,76,118	United Provinces.
37,27,312 (a)	41,12,076 (a)	39,07,731 (a)	31,91,217 (a)	35,28,025 (a)	31,57,771 (a)	23,84,898 (a)	Punjab.
1,96,77,824	2,23,46,518	2,35,94,060	2,24,07,668 (b)	1,81,00,143	2,03,66,104	1,56,68,850	Burma.
10,70,268	10,28,592	9,43,752	9,38,760	10,97,161	9,39,275	8,11,407	Bihar and Orissa.
24,78,756	30,89,140	31,33,473	36,13,460	37,67,873	35,20,008	22,63,077	Assam.
52,32,632	49,87,409	53,21,376	50,78,160	54,46,316	59,97,508	51,11,894	Central Provinces and Berar.
6,68,030	5,38,518	4,58,145	4,93,372	5,25,636	5,72,031	3,09,073	Coorg.
6,69,767	7,44,207	7,91,166	7,56,700	8,29,377	8,64,377	8,03,902	North-West Frontier Province.
66,062	72,759	66,934	76,515	87,924	93,803	95,273	Ajmer.
20,593	23,621	27,942	29,867	23,425	29,300	29,277	Baluchistan.
7,25,597	8,91,029	11,70,863	14,18,062	15,00,706	20,06,813	19,37,596	Andamans.
1,02,579	1,05,697	2,74,025	1,16,167	1,06,001	1,03,866	90,605	Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
55,69,682	51,70,520	56,23,700	53,44,431	61,54,773	64,64,825	52,69,087	Madras.
73,07,964	75,28,038	76,56,420	72,94,094	73,43,035	79,74,964	52,23,753	Bombay.
5,67,44,682	5,98,70,825	6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	4,72,86,859	GRAND TOTAL.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

STATE

Expenditure of the Forest Department throughout India for the 32 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial* . .	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal† . . .	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces . .	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab . . .	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma . . .	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡ . . .	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,734	6,13,539	7,87,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg . . .	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer . . .	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan . .	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans . .	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	38,985	33,935	28,229
Madras . . .	4,53,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay . .	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL .	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489
Bengal	7,38,712	8,25,835	9,72,307	13,26,750	12,88,122	12,31,249	12,42,672
United Provinces . . .	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035 (a)
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159
Bihar and Orissa . . .	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845
Central Provinces and Berar	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598
North-West Frontier Province .	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840	49,454
Baluchistan	29,990	26,787	25,314	28,761	53,275	36,468	31,440
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642
Forest Surveys (Imperial) . .	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826
Bombay	33,53,714	78,72,197	59,13,682	53,05,022	50,23,946	40,14,344	44,01,024
GRAND TOTAL .	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts, subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*contd.*

from 1899-1900 to 1930-31 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
88,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,793	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,631	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883	GRAND TOTAL.

1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,68,595	1,18,903	1,23,858	61,661	59,361	61,493	1,93,252 (b)	Imperial.*
14,17,471	12,60,968	17,34,761	17,02,453	16,82,191	16,65,180	15,95,129	Bengal.
36,84,005	36,95,346	33,73,499	39,93,303	32,43,716	33,88,710	32,78,623	United Provinces.
26,14,488 (a)	27,01,510 (a)	27,03,386 (a)	29,54,874 (a)	24,93,319 (a)	29,69,197 (a)	28,01,464 (a)	Punjab.
96,28,313	86,87,943	89,40,884	88,37,858	84,24,771	76,08,595	75,61,238	Burma.
7,90,397	6,65,624	10,83,069	6,63,374	8,50,373	9,02,662	7,34,695	Bihar and Orissa.
13,30,853	15,67,983	14,47,506	14,45,767	21,22,366	22,20,302	21,16,589	Assam.
31,71,863	33,45,729	36,48,691	34,99,468	36,49,259	39,75,653	39,60,817	Central Provinces and Berar.
3,58,751	3,05,395	2,84,770	2,50,186	2,65,133	3,11,454	2,97,350	Coorg.
5,88,713	5,47,321	6,40,719	6,91,414	8,34,935	8,40,218	8,13,708	North-West Frontier Province.
49,125	55,161	79,728	82,854	76,355	81,200	83,821	Ajmer.
30,478	31,358	32,422	34,019	36,878	37,651	41,725	Baluchistan.
11,53,690	11,35,063	12,20,097	14,50,684	13,26,927	16,47,454	17,27,018	Andamans.
8,26,365	8,14,033	8,96,563	9,35,364	9,41,737	9,31,834	9,69,467	Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
50,72,459	48,23,239	50,36,844	47,69,594	45,59,503	48,18,627	46,79,321	Madras.
43,82,317	42,07,626	43,59,516	43,11,781	44,92,445	46,75,278	43,51,586	Bombay.
3,52,67,883	3,39,63,202	3,56,06,316	3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore... ..Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 32 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,93,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,68,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,033	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,06,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—36,612	—83,150	—1,06,250	—1,41,871	—2,79,208	—4,06,941	—1,14,938
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334
Punjab	9,59,728	3,58,374	14,29,753	2,29,309	6,15,102	—14,62,428	14,70,498 (a)
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349
North-West Frontier Province	1,83,536	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138	5,968
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,852
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944
Madras	24,38,140	16,06,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580
GRAND TOTAL	1,93,12,191	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1930-31 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,588	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,92,478	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2.80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Panjab.
63,91,800	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.‡
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1 56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,(3 295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69 937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,73,532	3,26,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,019	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,020	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—8,175	—8,880	—8,868	—5,822	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,102	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,978	9,73,658	8,88,746	6,54,610	7,54,039	9,61,991	12,64,503	10,80,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,138	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. (b)	
—1,38,495	—1,18,903	—1,23,858	—61,661	—59,361	—61 498	—1,93,252	Imperial.*
10,58,058	15,95,452	13,89,080	16,47,027	14,36,166	13 86,898	7,16,920	Bengal.
32,87,982	27,30,935	24,97,804	32,07,880	29,36,675	27,90,928	16,97,495	United Provinces.
11,12,824	14,10,566	12,04,345	2,36,348	10,84.706	1,88,574	—4,16.566	Punjab.
1,00,4 ,511 (a)	1,36,58,575 (a)	1,46,53,176 (a)	1,35,69,810 (a)	96,75,372 (a)	1,25,57,509 (a)	81,07,612 (a)	Burma.
2,79,871	3,62,968	—1,39,317	2,75,386	2,46,788	36,618	76,712	Bihar and Orissa.
11,47,903	14,71,157	16,85,967	21,67,693	16,45,507	12,99,706	1,46,488	Assam.
20,60,769	16,41,680	16,72,695	15,78,692	17,97,057	20,21,855	11,51,077	Central Provinces and Berar.
3,09,279	2.83,123	1,73,375	2,43,186	2,60,503	2,60,577	11,723	Coorg.
81,054	1,96,886	1,50.447	65,286	—5,558	24,159	—9,806	North-West Frontier Province.
16,937	17,598	—12,794	—6,339	11,:69	12,603	11,452	Ajmer.
—9,885	—7,737	—4,480	—4,152	—18,459	—8,851	—12,448	Baluchistan.
—4,28,093	—2,44,034	—49,234	—32,622	1,71,779	3,59,359	2,19,578	Andamans.
—7,23,786	—7,08,336	—6,22,541	—8.19,197	—8,35,736	—8,27,968	—8,78,862	Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
4 97,223	3,47,281	5,86,856	5,74,837	15,95,270	16,46,198	5,89,766	Madras.
29,25,647	33,20,412	32,96,904	29,82,313	28,50,590	32,99.686	8,72,167	Bombay.
2,14,76,799	2,59,07,623	2.63,58,415	2,56,24,482	2,27,47,874	2.49,86,848	1,20,81,056	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

STATEMENT XX.

Forest area by ownership (in square miles).

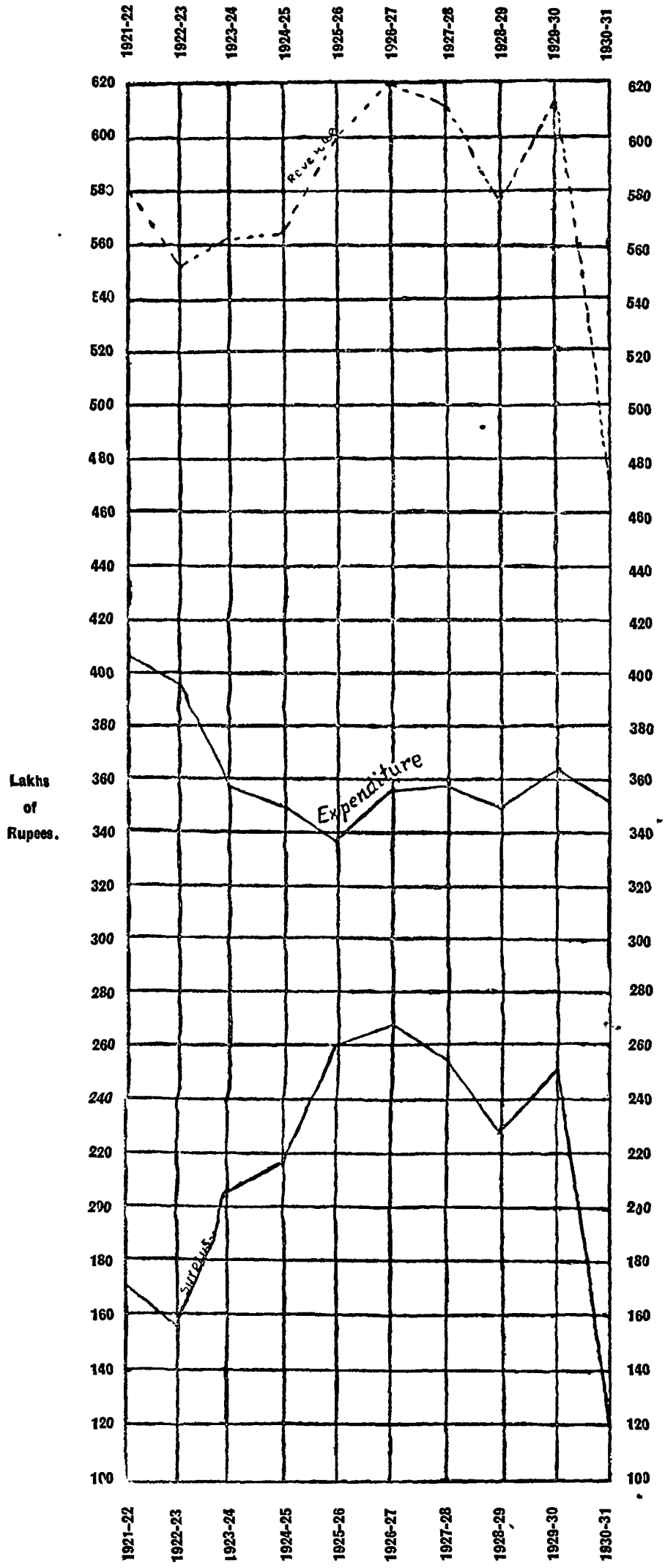
Province.	Type of Forest.	The State.			Corporate bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forests.	Total.				
1	2	3	4	5	6	7	8	9
Central Provinces	1. Merchantable	18,622	822 +2,476 Ryotwari forest	19,444 +2,476 21,920	...	10,711	65,784	
	2. Unprofitable or inaccessible	*Nil.*	1,172 Ryotwari forest	1,172	...	21,981		
Information from other Provinces not available.								

MGIPC—85—III-2 102—3-3 33—210.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

For the 10 years 1921-22 to 1930-31.



Annual Return of Statistics relating to Forest Administration in British India for the year 1931-32

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The "Leader," Allahabad.
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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1922-23 to 1931-32.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	75,885	6,561	673	3,445	10,679	14·0	
United Provinces	106,720	(a) 5,195	4	37	5,236	4·9	(a) Includes leased forests.
Punjab	96,830	(b) 1,552	(c) 3,205	(d) 521	5,278	5·4	(b) Includes 357 square miles of leased forests but excludes 500 square miles of reserved forests not under the control of the Forest Department. (c) Excludes 63 square miles not under the control of the Forest Department.
Burma	182,900	31,282	...	(e) 90,273	121,555	66·4	(d) Excludes 235 square miles of forest and village lands not under the control of the Forest Department.
Federated Shan States	60,615	3,167	...	21,484	24,651	40·6	(e) Includes 10,454 square miles without forest growth.
Bihar and Orissa	83,088	1,838	(f) 1,177	(g) 2	3,017	3·6	(f) Excludes 676 square miles not under the control of the Forest Department.
Assam	55,445	6,145	...	14,817	20,962	37·8	(g) Excludes one square mile under *Khasmahal* management.
Central Provinces (including Berar).	99,973	(h) 19,613	...	...	19,613	19·6	(h) Includes 174 square miles of leased forests.
Coorg	1,582	519	18	...	537	33·9	
North-West Frontier Province.	13,184	245	...	...	245	1·8	
Ajmer	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	54,228†	316	...	472	788	1·4	
Andamans and Nicobar	3,143‡	52	...	2,138	2,190	69·6	
Madras	142,302	15,617	(i) 453	...	16,070	11·2	(i) Represents reserved lands.
Bombay (including Sind)	123,245	13,716	1,152	...	(j) 14,868	12·0	(j) Includes 2,329 square miles of reserved and protected forests not under the management of the Forest Department.
Total 1931-32	1,101,902*	105,960	6,682	133,189	245,831	22·3	
,, 1930-31	1,102,595*	107,753	6,263	135,694	249,710	22·6	
,, 1929-30	1,103,486*	107,353	6,298	135,503	249,154	22·6	
,, 1928-29	1,103,692*	106,849	6,308	136,665	249,822	22·7	
,, 1927-28	1,103,679*	105,588	7,658	136,864	250,110	22·6	

† Figures taken from the Census Report of 1921.

‡ ,, ,, ,, ,, ,, ,, ,, 1931.

* Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1931-32.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	55	29	2	12,251	...	...
United Provinces	13	17	...	...	...	...
Punjab	...	7	...	...	...	...
Burma	1,550	3,318	276	8,447	...	...
Federated Shan States	...	54	...	...	...	...
Bihar and Orissa	...	13	...	...	...	...
Assam	2	20	46	...	...	...
Central Provinces	...	...	1	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	20	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	316	...	316	...	...
Andamans	...	52	...	...	...	...
Madras	9	104	95	52	...	...
Bombay	14	45	18	...	...	...
Total 1931-32	1,643	3,975	458	21,066	...	...
1930-31	530	4,242	512	10,088	...	...
1929-30	554	2,766	2,286	14,304	...	...
1928-29	1,483	2,300	1,715	3,312	...	269
1927-28	579	1,979	2,322	28,133	...	243

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	141	1,278	1,393	2,812	515	1,395	4,722	6,646	11,028
United Provinces .	...	2,663	5,978	8,641	66	2,853	11,560	851	12,506
Punjab . . .	253	1,342	7,384	8,979	1	1,398	10,378	1,237	5,088
Burma . . .	270	319	17,150	17,739	413	3,818	21,960	5,938	1,673
Federated Shan States	...	265	1,073	1,338	...	561	1,899	...	2,669
Bihar and Orissa .	17	3,692	1,148	4,857	9	387	5,253	290	3,213
Assam . . .	...	1,279	1,305	2,584	11	2,375	4,950	...	6,873
Central Provinces .	25	3,329	29,362	32,716	...	3,339	36,055	4	9,777
Coorg . . .	...	46	423	469	...	67	536	...	957
North-West Frontier Province.	...	155	622	777	...	139	916	...	1,289
Ajmer . . .	...	8	237	239	...	158	397	...	159
Baluchistan . .	...	22	438	460	...	77	537	...	80
Andamans . .	...	...	36	36	36	23	95	...	...
Madras . . .	33	17,424	5,605	23,062	336	2,276	25,674	2,488	4,579
Bombay . . .	33	25,446	12,931	38,410	45	2,709	41,164	176	2,801
Total 1931-32 .	771	57,263	85,085	143,119	1,422	21,555	166,096	17,630	62,692
1930-31 .	1,152	61,980	79,318	142,486	731	21,462	164,679	32,161	1,08,440
1929-30 .	1,173	61,499	78,688	140,860	937	21,045	162,806	17,974	1,03,333
1928-29 .	1,523	62,759	76,327	140,633	898	21,061	163,419	20,759	1,16,120
1927-28 .	816	63,675	75,613	136,037	1,057	20,936	162,044	16,509	1,07,783

STATEMENT IV.

Forest survey operations from 1st April 1931 to 31st March 1932.

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
		1" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1931-32.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527·00	.....	
Assam	Cachar	130·94	...	...	...	...	...	(a) 130·94	5,815·04	.....	(a) Cost of surveys not debitable to "Forests".
Bengal	...	...	...	...	...	...	...	...	5,298·6	.....	
Bihar and Orissa.	Sambalpur East (b)	...	...	...	...	3·79	257·9	3·79	2,417·57	2,720 0 0	(b) 53·29 linear miles of theodolite traverse and 21·42 L. M. of connection traverse in the Kusraloi Blocks A and B, in addition 2·33 L. M of unconnected boundary traverse were done in Basiapara and Birghat R. Cost of survey Rs. 2,720 debitable to Forest Department.
N.-W. F. P.	...	...	...	...	...	...	...	...	465·00	.....	
Baluchistan	...	...	...	...	...	...	...	...	241·30	.....	
Punjab	...	...	...	...	...	...	...	...	4,385·00	.....	
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Madras	Central Salem (c)	...	...	...	...	...	...	...	18,216·57	.....	(c) 19 L. M. of forest boundary theodolite traverse was done. Out of a total cost of Rs. 1,180, Rs. 560 were adjusted by the Forest Department during the financial year 1930-31 and the balance of Rs. 620 is adjustable during 1931-32.

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1931 to 31st March 1932—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1931-32.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
India . .	...	...	...	...	...	...	...	...	...	.....	
Coorg . .	...	...	...	...	...	...	...	...	478·00	.....	
Central Provinces.	...	...	...	...	...	...	...	...	19,535·00	.....	
Bombay . .	...	...	...	...	...	...	...	...	13,232·90	.....	
Burma . .	Mansi (*d*) . . .	...	...	...	...	...	...	...	27,250·05	6,106 0 0	(*d*) Cost for fairmapping from 1st April 1931 to 31st October 1931.
	Upper Chindwin and Myittha.	347·60	...	...	...	...	...	(*e*)347·60			(*e*) Cost of surveys not debitable to "Forests".
											Contributions to Forest Map Office by Provincial and Central Governments.
										Rs. A. P.	Rs.
TOTAL 1931-32	1st April 1931 to 31st March 1932.	478·54	...	...	...	3·79	...	482·33	105,176·77	8,826 0 0	46,000
,, 1930-31	1st April 1930 to 31st March 1931.	...	...	...	...	362·23	...	362·23	104,694·44	2,58,901 0 0	46,000
,, 1929-30	1st April 1929 to 31st March 1930.	1,491·73	...	...	...	290·75	...	1,782·48	104,332·21	2,44,091 0 0	36,000
,, 1928-29	1st April 1928 to 31st March 1929.	1,051·59	...	122	...	300·52	...	1,474·11	102,549·73	2,50,791 0 0	36,000
,, 1927-28	1st April 1927 to 31st March 1928.	1,271·50	...	38	...	1,773·82	...	3,083·32	101,075·62	2,25,339 0 0	36,000

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.		Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,810	1	...	6,811	63·7	46	28	3,794	10,679	...	4,105	473	2,796
United Provinces	4,984	17	11	4,990	91·4	230	...	16	5,236	...	1,822	194	46,520
Punjab	2,531	20	6	2,545	48	202	95	2,436	5,278	...	1,879	70	2,376
Burma	21,411	1,995	57	23,349	75	2,422	1,525	3,986	(a) 31,282	...	3,164	1,311	9,148
Federated Shan States	1,274	108	7	1,375	43	...	...	1,792	(a) 3,167	56	...	244	...
Bihar and Orissa	2,230	151	145	2,236	74·11	164	...	617	3,017	122	860	352	1,215
Assam	6	1,500	...	1,506	...	264	2,367	16,825	20,962	5	8	...	...
Central Provinces	17,493	17	432	17,078	87	1,499	18	1,018	19,613	...	2,720	270	96,676
Coorg	...	...	...	...	...	...	...	...	...	153	142	...	7,326
North-West Frontier Province.	245	...	...	245	100	...	...	...	245	...	76	...	...
Ajmer	141	1	...	142	...	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	788	788	...	...	...	...
Andamans	708	...	...	708	32·34	...	...	1,482	2,190	708	...	...	31,761
Madras	9,417	376	...	9,793	50	3,301	6,093	221	(b) 19,408	...	...	...	...
Bombay	8,884	49	53	8,880	71	690	271	2,698	(c) 12,539	154	1,049	231	3,756
TOTAL 1931-32	76,134	4,235	711	79,658	59·2	8,818	10,397	35,673	134,546	1,198	15,825	3,145	2,01,574
,, 1930-31	74,262	2,015	115	76,162	57·5	12,632	11,192	32,489	132,475	1,718	16,899	1,286	1,24,951
,, 1929-30	71,141	3,975	571	74,545	57·1	11,369	9,364	34,180	130,397	3,796	15,561	1,957	1,25,877
,, 1928-29	66,565	7,744	1,439	72,870	55·2	12,468	7,271	39,463	131,908	2,977	13,279	5,896	1,41,709
,, 1927-28	63,491	1,953	126	65,245	41·7	10,695	13,253	42,409	132,340	2,904	17,206	1,282	88,828

(a) Excludes unclassed forests.

(b) Includes Panchayat forests.

(c) Excludes 2,329 square miles not under the management of Forest Department.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	34,910	6,026	46,200	44,188	17,213	1,48,537
United Provinces	13,869	9,137	74,104	1,05,092	15,262	2,17,464
Punjab	6,963	496	14,056	18,516	6,987	47,018
Burma	14,617	16,461	78,907	1,43,453	10,491	2,63,929
Federated Shan States	2,735	7	3,653	2,419	455	9,269
Bihar and Orissa	28,757	8,218	31,739	41,855	6,588	1,17,157
Assam	24,034	9,404	31,961	74,390	15,699	1,55,488
Central Provinces	9,402	38,385	59,840	99,015	19,125	2,25,767
Coorg	288	137	4,552	4,556	974	10,507
North-West Frontier Province	3,930	1,957	3,869	38,311	1,346	49,413
Ajmer	...	...	201	781	126	1,108
Baluchistan	...	...	400	50	50	500
Andamans	2,180	2,358	11,034	29	45,206	60,802
Madras	20,375	39,025	58,536	1,14,708	5,761	2,38,455
Bombay	5,816	43,224	23,176	91,198	10,079	1,73,493
Total 1931-32	1,67,776	1,74,830	4,42,278	7,78,561	1,55,362	17,18,907
„ 1930-31	30,23,437	21,98,826	4,75,776	7,63,718	3,39,036	68,00,793
„ 1929-30	32,73,522	22,94,638	5,90,180	10,23,334	3,74,595	75,56,269
„ 1928-29	9,88,396	8,98,325	6,07,229	8,82,607	3,30,695	37,07,252
„ 1927-28	11,04,650	7,30,363	5,95,878	9,93,460	2,51,631	36,75 977

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1930-31.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal	A.	155	4	389	26	123	542	697	263	619	29	91	292	710	400
	B.	308	9	2,236	2,508	1,564	6,317	6,625	6,497	11,960	1	4	6,498	11,964	117
	C.	...	75	251	5	54	385	385	...	...	...	...	...	...	...
	Total	463	88	2,876	2,539	1,741	7,244	7,707	6,760	12,579	30	95	6,790	12,674	517
United Provinces.	A.	113	17	42	24	30	113	226	133	572	20	137	153	709	73
	B.	632	191	1,919	1,586	773	4,469	5,101	3,852	10,851	485	1,289	4,337	12,140	764
	C.	...	285	138	23	16	462	462	...	...	...	...	...	...	...
	Total	745	493	2,099	1,633	819	5,044	5,789	3,985	11,423	505	1,426	4,490	12,849	837
Punjab	A.	1,799	14	325	264	325	928	2,727	1,304	1,912	103	323	1,407	2,235	950
	B.	1,230	68	3,485	5,116	2,716	11,385	12,615	10,266	13,740	22	38	10,288	13,778	2,065
	C.	...	189	125	53	41	408	408	...	...	...	...	...	...	...
	Total	3,029	271	3,935	5,433	3,082	12,721	15,750	11,570	15,652	125	361	11,695	16,013	3,015
Burma	A.	732	4	1,065	43	265	1,377	2,109	1,441	1,901	192	430	1,633	2,331	...
	B.	1,037	1	6,760	257	1,415	8,433	9,470	7,665	9,466	...	...	7,665	9,466	...
	C.	...	...	7	1	14	22	22	...	...	...	...	...	...	...
	Total	1,769	5	7,832	301	1,694	9,832	11,601	9,106	11,367	192	430	9,298	11,797	*1,712
Federated Shan States.	A.	1	...	...	...	5	5	6	6	6	...	...	6	6	...
	B.	22	...	132	20	34	186	208	167	278	...	...	167	278	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	23	...	132	20	39	191	214	173	284	...	...	173	284	*21
Bihar and Orissa	A.	48	9	296	33	63	401	449	341	976	35	93	376	1,069	59
	B.	130	8	2,453	359	150	2,970	3,100	2,919	7,864	...	...	2,919	7,864	159
	C.	...	116	22	...	...	138	138	...	...	...	...	...	...	...
	Total	178	133	2,771	392	213	3,509	3,687	3,260	8,840	35	93	3,295	8,933	218
Assam	A.	126	...	173	23	102	298	424	278	518	36	65	314	583	110
	B.	275	1	1,179	72	607	1,859	2,134	1,734	2,603	86	156	1,820	2,759	314
	C.	...	...	1	...	2	3	3	...	...	...	...	...	...	...
	Total	401	1	1,353	95	711	2,160	2,561	2,012	3,121	122	221	2,134	3,342	424
Central Provinces.	A.	67	8	122	163	40	333	400	223	580	118	455	341	1,035	59
	B.	2,937	171	9,160	9,754	1,270	20,355	23,292	18,774	49,075	1,177	1,485	19,951	50,560	3,341
	C.	...	399	951	74	21	1,445	1,445	...	...	...	...	...	...	...
	Total	3,004	578	10,233	9,991	1,331	22,133	25,137	18,997	49,655	1,295	1,940	20,292	51,595	3,400
Coorg	A.	2	...	2	...	3	5	7	4	6	2	2	6	8	...
	B.	...	...	8	10	6	24	24	24	57	1	4	25	61	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	2	...	10	10	9	29	31	28	63	3	6	31	69	...
North-West Frontier Province.	A.	226	7	82	48	11	148	374	155	395	55	165	210	560	164
	B.	3	...	1,908	1,392	36	3,336	3,339	3,339	4,632	...	...	3,339	4,632	...
	C.	...	23	...	...	...	23	23	...	...	...	...	...	...	...
	Total	229	30	1,990	1,440	47	3,507	3,736	3,494	5,027	55	165	3,549	5,192	164

* Burma and Federated Shan States have not shown separately "A", "B" and "C" in column 15. They have given the totals only.

STATEMENT VII—*contd.*

Breaches of forest rules—*contd.*

Province.		Cases pending from 1930-31.	New Cases of the year.					Total cases.	Disposed of during the year.						
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		Cases pending at close of year.
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	6	...	12	29	2	43	49	29	47	4	11	33	58	16
	B.	...	28	1,014	4,025	65	5,132	5,132	5,132	11,142	...	...	5,132	11,142	...
	C.	...	1	...	...	...	1	1	...	...	...	...	...	...	...
	Total	6	29	1,026	4,054	67	5,176	5,182	5,161	11,189	4	11	5,165	11,200	16
Baluchistan	A.	13	...	30	19	...	49	62	27	47	14	32	41	79	21
	B.	...	...	70	221	...	291	291	291	457	...	...	291	457	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	13	...	100	240	...	340	353	318	504	14	32	332	536	21
Andamans	A.	1	...	7	...	...	7	8	7	7	1	1	8	8	...
	B.	...	...	8	...	...	8	8	8	8	...	...	8	8	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	1	...	15	...	...	15	16	15	15	1	1	16	16	...
Madras	A.	2,414	19	6,256	1,488	813	8,071	10,485	3,080	7,678	0	12,537	8,840	20,210	1,685
	B.	3,157	210	10,609	2,460	1,026	14,305	17,462	12,184	23,865	1,629	3,418	13,813	27,283	3,609
	C.	...	1,047	422	12	19	1,500	1,500	...	...	...	...	...	...	...
	Total	5,571	1,276	17,287	3,955	1,358	23,876	29,447	15,264	31,538	7,389	15,955	22,653	47,493	5,294
Bombay	A.	211	31	205	100	59	395	606	431	1,318	50	123	481	1,441	125
	B.	2,315	179	9,715	6,375	2,535	18,804	21,119	19,201	44,482	5	5	19,206	44,487	1,913
	C.	25	1,833	1,820	50	85	3,788	3,813	...	...	...	...	...	...	...
	Total	2,551	2,043	11,740	6,525	2,679	22,987	25,538	19,632	45,800	55	123	19,687	45,928	2,038
Grand Total	A.	5,914	113	9,006	2,255	1,341	12,715	18,622	7,722	16,577	6,419	14,465	14,141	31,042	3,662
	B.	12,046	866	50,656	34,155	12,197	97,874	109,920	92,053	190,480	3,406	6,399	95,459	196,879	12,282
	C.	25	3,968	3,737	218	252	8,175	8,200	...	...	...	...	...	...	...
Total 1931-32		17,985	4,947	63,399	36,628	13,790	118,764	136,749	99,775	207,057	9,825	20,864	109,600	227,921	17,677
,, 1930-31		12,280	4,547	58,756	33,620	13,622	110,545	125,052	89,782	191,845	7,871	18,895	97,653	210,740	16,784
,, 1929-30		13,710	4,302	55,959	33,994	15,887	110,142	126,025	97,718	196,132	5,939	14,870	103,652	211,002	11,722
,, 1928-29		12,770	4,737	58,451	34,880	14,388	112,456	128,004	96,584	193,820	5,094	13,366	101,745	207,186	13,820
,, 1927-28		13,338	4,366	57,518	35,046	13,291	110,221	125,296	97,561	197,064	6,051	14,081	103,612	211,145	13,065

N. B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1930-31.	1931-32.	
1	2	3	4	5	6	7
Bengal	1,735	1,721	26·2	0·5	0·8	
United Provinces	3,350	2,960	64	2·5	11·6	
Punjab	1,192	1,177	75·8	2·04	1·3	
Burma	141	128	0·45	6·4	8·9	
Federated Shan States	4	3	0·12	15·3	26·3	
Bihar and Orissa	1,577	1,258	68·42	4·7	20·27	
Assam	17	17	0·27	40·7	...	
Central Provinces	13,224	12,516	67	4	5	
Coorg	230	227	44	1	1·5	
North-West Frontier Province	87	86	36	4·88	2	
Ajmer	141	140	98	0·14	0·7	
Madras	15,228	14,220	98	4·70	6·62	
Bombay	9,345	8,783	64	5·0	6·0	
Total 1931-32	46,271	43,236	40·8	4·3	6·5	
„ 1930-31	45,838	43,862	40·7	3·9	4·3	
„ 1929-30	46,178	43,997	40·9	3·6	4·7	
„ 1928-29	43,993	41,993	41·1	3·6	4·5	
„ 1927-28	42,173	40,208	39·9	8·2	4·6	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	...	7	1	25	6	4	1	28	6	65	14
United Provinces	32	14	108	100	139	78	90	60	124	137	493	389
Punjab	3	11	21	320	165	4,271	72	7,391	12	339	273	13,332
Burma	9	2	7	...	21	2	4	1	31	8	72	13
Federated Shan States	2	1	1	...	...	...	...	...	2	...	5	1
Bihar and Orissa	7	16	23	50	15	17	3	8	184	228	232	319
Assam	2	...	...	...	16	...	6	192	2	...	20	192
Central Provinces	39	20	110	109	189	146	12	8	622	424	972	707
Coorg	1	...	4	1	1	...	...	...	6	2	12	3
North-West Frontier Province	...	...	2	...	7	...	18	1	5	...	32	1
Ajmer	2	...	1	...	2	...	1	...	2	1	8	1
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	40	16	179	186	520	192	507	389	811	211	2,057	994
Bombay	18	3	177	70	726	227	120	66	1,031	223	2,072	589
TOTAL 1931-32	156	83	640	1,337	1,820	4,939	837	8,117	2,860	2,079	6,313	16,555
„ 1930-31	144	146	509	304	1,358	332	675	457	2,600	838	5,286	2,077
„ 1929-30	190	179	552	412	1,360	458	589	852	2,562	937	5,253	2,838
„ 1928-29	195	52	629	412	1,543	521	598	182	2,650	928	5,615	2,095
„ 1927-28	124	61	536	304	1,535	414	826	564	2,189	722	4,960	2,065

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6.)
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,329	...	4,224	...	126	...	10,679
United Provinces	1,938	68	2,319	21	841	49	5,236
Punjab	440	26	4,205	104	351	152	5,278
Burma	23,821	...	91	224	2,604	4,542	121,555
Federated Shan States	2,246	...	...	75	785	61	24,651
Bihar and Orissa	674	...	594	...	1,671	76	3,017
Assam	4,946	...	14,441	...	1,575	...	20,962
Central Provinces	2,506	229	4,212	13	12,666	210	19,613
Coorg	80	439	...	...	...	439	537
North-West Frontier Province	63	...	8	...	174	...	245
Ajmer	61	78	3	...	...	78	142
Baluchistan	198	...	83	23	...	12	788
Andamans	52	...	...	...	358	...	2,190
Madras	1,856	190	13,365	5	594	9	16,070
Bombay	1,419	307	3,444	23	9,663	12	14,868
TOTAL. 1931-32	46,629	1,337	46,989	488	31,408	5,640	245,831
1930-31	45,177	1,223	47,294	487	31,256	5,695	249,710
1929-30	44,819	1,030	46,303	586	31,292	5,932	249,154
1928-29	44,809	1,070	45,747	670	31,533	5,607	249,822
1927-28	44,576	1,572	49,851	899	31,023	5,400	133,321

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,783	31,367	171	...	70	63	1,775	...	...	6
United Provinces	49,230	142,110	90,153	2,531	1,386	7,630	28,531	23,222	...	106
Punjab	6,849	14,691	408,163	39,603	222	206	9,767	447,956	...	265
Burma	1,798	21,362	...	...	49	...	...	...	...	...
Federated Shan States	2,352	333	...	...	540	...	...	...	...	...
Bihar and Orissa	5,053	15,347	1,025	...	5	9,453	19,884	...	...	...
Assam	10,490	8,493	528	...	65	369	446	...	...	...
Central Provinces	219,441	557,111	395,117	63	3,349	114,996	1,779,432	2,044	...	25
Coorg	440	2,578	...	...	...	...	...	...	...	...
North-West Frontier Province	2,482	4,207	94	...	46	...	...	...	...	...
Ajmer	579	5,577	...	...	1	4,212	18,132	...	...	...
Baluchistan	107	1,967	2,290	...	124	...	...	...	...	...
Madras	55,908	755,976	365,761	...	169	11,806	103,982	16,586	...	12
Bombay	16,731	41,604	195,496	459	5,572	202,730	942,194	309,163	...	3,897
Total 1931-32	374,243	1,602,721	1,458,798	42,656	11,598	351,465	2,904,143	798,971	...	4,311
„ 1930-31	428,646	1,985,282	1,812,687	25,642	12,269	340,659	2,788,569	949,521	103	2,885
„ 1929-30	506,117	2,272,384	2,031,369	45,878	15,114	428,243	3,099,178	875,249	18	4,528
„ 1928-29	501,532	2,171,060	2,075,638	24,870	12,669	412,668	3,112,907	969,833	180	3,696
„ 1927-28	495,896	2,142,272	1,902,245	57,641	14,667	396,818	3,082,466	1,046,694	...	4,146

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,118	3,806	...	...	25	41,184
39,554	472,759	44,886	...	1,415	7,069	37,837	61,621	...	197	1,010,237
233,563	822,010	963,587	1,687	38,368	5,329	16,879	...	275	341	3,009,761
105,572	229,746	175	...	958	14,825	676	...	...	9,951	385,112
1,538	3,049	...	...	...	483	...	...	...	266	8,561
41,987	241,750	608,699	...	74	38	719	288	...	2	944,324
29	88	...	...	...	2,177	5,099	1,841	...	55	29,180
...	375	...	...	...	1,815	242,782	115	...	201	3,316,866
...	467	...	...	...	2,477	15,240	...	...	...	21,200
5,366	6,699	...	...	...	...	...	...	...	...	18,894
474	1,875	...	...	...	...	...	...	...	...	30,850
...	3,386	50,069	...	1,500	...	...	...	...	...	59,443
1,774	9,883	3,586	...	144	8,486	67,945	697	...	...	1,402,715
2,021	6,238	...	...	20	117,907	475,998	2,224	1,908	2,825	2,326,987
431,878	1,798,325	1,671,002	1,687	42,479	161,724	866,981	66,286	2,183	13,863	12,605,314
453,309	1,811,086	1,138,583	1,687	43,426	156,388	793,149	65,107	1,731	13,737	12,824,466
364,210	1,682,848	1,498,514	326	204,041	132,329	837,135	68,838	1,058	16,438	14,080,484
395,493	1,710,456	1,513,008	326	203,406	136,934	845,151	66,130	1,053	16,793	14,173,803
382,584	1,687,046	1,468,673	326	203,418	140,034	843,769	70,536	9,752	17,158	13,974,041

STATEMENT XII.

Progress in concentrated regeneration and afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	...	2,461	...	2,461	72,959
United Provinces	26,300	590	298	27,188	1,16,282
Punjab	2,586	1,263	2,259	6,108	3,77,054
Burma	4,528	3,531	587	8,641	1,38,186
Federated Shan States	...	475	...	475	26,948
Bihar and Orissa	15,135	65	55	15,255	15,677
Assam	410	1,319	...	1,729	27,856
Central Provinces	5,996	464	...	6,460	11,618
Coorg	...	372	...	372	17,552
North-West Frontier Province	...	150	...	150	7,966
Ajmer	...	4,478	...	4,478	285
Baluchistan	...	...	3	3	1,235
Andamans and Nicobar	284	71	...	355	24,889
Madras	400	2,631	660	3,691	33,882
Bombay	9,012	43,767	...	52,779	76,690
Total	64,646	61,637	3,862	1,30,145	9,49,079

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	18,094,000	4,46,933	313,000	2,369	1,174,000	69,020	19,581,000	5,18,322	2,758	68	465	3	341	20	1,834	49
United Provinces	(a) 31,295,000	(a) 15,19,212	5,000	405	144,000	5,386	31,444,000	15,25,003	6,000	292	1	101	4	145	6	291
Punjab . .	(a) 12,200,000	(b) 4,83,211	16,353,000	10,53,894	4,797,000	2,88,090	33,350,000	18,25,195	7,861	311	5,103	329	9,207	553	6,319	346
Burma . .	38,349,000	3,42,113	...	...	41,826,000	2,88,887	80,175,000	6,31,000	1,226	10	...	...	463	3	595	5
Federated Shan States.	1,384,000	21,297	...	...	1,477,000	1,22,818	2,861,000	1,44,115	437	7	...	...	69	6	116	6
Bihar and Orissa.	5,633,000	95,368	5,769,000	1,54,892	...	...	11,402,000	2,50,260	3,065	52	4,901	132	...	...	3,779	83
Assam .	(c) 4,525,000	(c) 1,63,587	...	...	8,876,000	3,83,208	13,401,000	5,46,795	736	27	...	...	599	26	639	26
Central Provinces	(a) 31,401,000	(a) 22,53,259	...	...	...	...	31,401,000	22,53,259	1,601	115	...	...	...	...	1,601	115
Coorg . .	217,948	37,601	149,528	245	...	...	367,476	27,846	430	53	8,307	13	...	...	684	52
North-West Frontier Province.	2,822,000	52,475	...	...	(d) 54,000	...	2,876,000	52,475	11,518	213	...	...	406	...	11,924	213
Ajmer . .	547,118	47,697	...	...	...	...	547,118	47,697	3,853	336	...	...	...	...	3,853	336
Baluchistan .	268,767	57,680	...	...	250,149	59	518,916	57,739	851	183	...	...	530	...	690	92
Andamans . .	...	...	...	...	3,170,628	9,001	3,176,028	9,001	...	...	...	...	1,485	4	1,485	4
Madras . .	(e) 22,028,000	14,62,621	...	67,270	...	...	22,028,000	15,29,891	1,410	93	...	148	...	...	1,371	95
Bombay . .	(a) 51,708,000	18,97,458	1,019,000	11,441	56,000	...	(f) 52,783,000	19,08,899	3,760	138	885	10	...	...	3,550	128
Total 1931-32 .	220,472,833	86,70,512	23,608,528	12,90,416	61,930,177	11,66,469	305,911,538	1,13,27,397	2,081	84	3,533	193	464	9	1,244	46
,, 1930-31 .	190,580,140	94,87,504	48,851,911	12,30,411	83,420,778	18,78,849	322,852,829	1,26,86,854	1,768	88	7,800	196	615	14	1,293	50
,, 1929-30 .	208,009,450	1,11,90,123	52,796,800	14,39,022	89,357,271	24,64,800	350,163,521	1,50,93,945	1,938	104	8,383	228	658	18	1,405	60
,, 1928-29 .	223,243,569	1,04,07,136	54,847,958	14,77,342	86,098,058	32,93,688	364,189,585	1,51,78,316	2,190	97	8,695	234	739	23	1,457	60
,, 1927-28 .	247,988,325	1,02,94,988	25,099,187	14,71,621	97,086,255	25,48,754	370,173,767	1,43,15,363	2,348	97	3,377	192	709	18	1,480	67

(a) Includes leased forests.
(b) ,, Rs. 105 on account of fruit culture.
(c) ,, shared forests.
(d) Guzara forests.
(e) Includes leased forests and unreserved lands.
(f) Excludes 44,057 c. ft. Sandal wood.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	360,000	7,145,000	18,000	...	7,523,000	499,000	11,013,000	546,000	...	12,058,000
United Provinces	235,000	7,010,000	43,000	947,000	8,225,000	262,000	9,063,000	157,000	13,737,000	23,219,000
Punjab	967,000	2,078,000	77,000	720,000	3,842,000	1,067,000	3,144,000	402,000	24,295,000	29,508,000
Burma	2,103,000	25,185,000	180,000	615,000	27,983,000	403,000	49,079,000	25,000	2,595,000	52,102,000
Federated Shan States	27,000	2,203,000	26,000	102,000	2,360,000	28,000	394,000	...	79,000	501,000
Bihar and Orissa	86,000	2,366,000	38,000	386,000	2,876,000	88,000	3,581,000	48,000	4,809,000	8,526,000
Assam	364,000	5,453,000	586,000	...	6,403,000	287,000	3,756,000	2,948,000	7,000	6,998,000
Central Provinces	4,838,000	3,022,000	394,000	...	8,304,000	6,121,000	15,270,000	1,588,000	118,000	23,097,000
Coorg	103,803	83,968	...	...	187,771	69,355	110,350	...	...	179,705
North-West Frontier Province	828,000	60,000	10,000	5,000	903,000	834,000	101,000	1,222,000	316,000	1,973,000
Ajmer	...	4,732	...	367	5,099	224,998	317,021	...	...	542,019
Baluchistan	1,103	1,072	2,142	...	4,317	21,910	492,550	130	...	514,590
Andamans	1,830,957	22,104	56,955	20,600	1,930,616	788,509	11,626	294,000	150,858	1,245,412
Madras	1,184,000	1,785,000	162,000	56,000	3,187,000	1,018,000	17,696,000	115,000	12,000	18,841,000
Bombay	1,378,000	5,068,000	94,000	323,000	6,863,000	1,291,000	36,593,000	37,000	7,999,000	45,920,000
Total 1931-32	14,345,863	61,486,876	1,680,097	3,074,967	80,596,803	13,193,161	150,631,556	7,382,130	54,117,858	225,314,735
„ 1930-31	17,669,862	75,918,546	1,878,673	3,666,613	99,133,694	15,591,251	146,014,124	7,970,480	53,243,280	223,719,135
„ 1929-30	21,413,337	87,246,019	1,839,366	3,642,104	114,140,826	19,219,943	154,445,552	9,335,560	52,921,640	235,922,695
„ 1928-29	20,097,720	96,943,784	1,833,059	4,179,432	125,050,695	23,796,098	153,576,852	9,302,240	52,373,700	239,138,890
„ 1927-28	17,768,221	103,065,812	2,264,140	3,979,417	127,077,590	23,550,541	144,227,696	10,112,280	65,205,660	243,096,177

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	547	1,73,051	597	...	1,74,195	...	56,079	42,421	...	78,500	4,916	2,57,228	3,383	...	2,65,527
United Provinces .	101	80,519	26	7,096	96,742	1,502	1,68,431	11,841	3,12,842	4,94,616	4,05,863	4,53,065	5	74,712	9,33,645
Punjab . . .	11,882	3,428	...	274	15,584	64	1,30,808	50,544	13,99,988	15,81,404	1,97,061	8,516	40	22,590	2,28,207
Burma . . .	331	2,24,693	53	12,285	2,37,302	40	15,106	48,868	1,09,984	1,73,998	11,453	1,80,167	41	27,979	2,19,640
Federated Shan States.	...	3,357	...	1,561	4,918	...	2,430	8,550	2,002	12,982	310	1,23,526	...	2,379	1,26,215
Bihar and Orissa .	485	61,037	681	4,370	66,573	...	8,474	123	1,38,087	1,46,684	2,477	28,343	71	6,112	37,003
Assam . .	89	52,324	10,379	...	62,792	...	34,949	9,091	119	44,159	19,122	2,89,975	1,30,747	...	4,39,844
Central Provinces .	19,110	2,99,554	9,237	...	3,27,901	1,955	14,48,781	1,67,687	374	16,18,797	60,828	2,15,355	27,978	2,400	3,06,561
Coorg . . .	212	1,248	...	...	1,460	...	827	...	117	1,004	...	25,380	2	...	25,382
North-West Frontier Province.	...	...	...	...	...	...	7,082	81	5,687	12,850	38,975	535	15	100	39,625
Ajmer . . .	...	870	...	...	870	1,854	14,053	1,462	26,242	43,611	518	2,698	...	...	3,216
Baluchistan . .	...	...	...	...	...	...	1,434	429	53,410	55,273	1,423	614	429	...	2,466
Andamans . .	9	30	1,380	183	1,602	...	...	...	...	...	14	3,121	4,035	229	7,39
Madras . . .	7,010	3,35,122	1,013	126	3,44,171	275	5,60,499	16,031	6,386	5,83,191	15,743	5,85,020	805	961	6,02,529
Bombay . .	38	1,44,821	2,107	49,784	1,96,750	...	6,55,487	21,071	8,46,748	15,23,306	6,803	1,35,265	2,594	44,181	1,88,843
TOTAL 1931-32 .	39,814	13,89,054	26,373	75,679	15,30,920	5,690	30,84,500	3,78,199	29,01,986	63,70,375	7,65,506	23,08,808	1,70,145	1,81,643	34,26,103
,, 1930-31 .	34,165	14,36,385	22,193	78,038	15,70,781	14,206	32,57,991	4,07,845	32,29,547	69,09,589	11,28,136	25,55,705	2,41,101	1,81,542	41,06,484
,, 1929-30 .	52,562	16,03,051	30,397	83,754	18,29,754	9,114	34,94,497	3,63,111	34,18,659	72,85,381	11,36,408	39,36,376	2,68,149	6,27,877	59,68,810
,, 1928-29 .	65,536	17,10,291	34,125	81,712	18,91,664	6,899	36,07,577	3,77,063	37,12,754	77,04,293	11,38,919	39,43,251	2,63,643	2,31,546	55,82,359
,, 1927-28 .	55,196	16,54,114	40,804	80,751	18,30,865	9,687	33,46,524	3,60,279	33,65,844	70,82,334	13,50,149	36,10,053	2,51,018	1,00,944	54,02,164

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.	Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1931-32.	
	Average of 5 years 1926-27 to 1930-31.	In 1931-32.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	11,008	6,743	44,57,717	661
Lac — Button	1,112	908	9,48,099	1,044
Lac — Shell	22,247	14,851	1,29,84,586	874
Lac — Stick, seed and other kinds	7,591	7,427	44,61,487	601
Cutch and gambier	2,254	1,765	4,18,577	237
Myrabolams	70,750	63,541	66,18,398	104
Cardamums	485	323	12,37,135	3,830
Sandal	894	784	12,87,960	1,643
Teak	49,943	22,113	56,61,355	256
Other kinds of wood and timber *	...	...	8,97,374	...
TOTAL 1931-32	...	...	3,89,72,688	...
,, 1930-31	...	...	6,91,67,627	...
,, 1929-30	...	...	11,66,51,584	...
,, 1928-29	...	...	13,49,23,946	...
,, 1927-28	...	...	12,73,46,767	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1928-1932.		Imports of sleepers of wood for railways into British India, 1928-1932.	
	Cubic tons.	Rs.	Tons.	Rs.
1928	23,860	28,90,525	1,950	2,27,845
1929	26,544	31,83,922	8	1,232
1930	26,413	36,03,907	...	...
1931	17,948	20,31,273	...	...
1932	12,218	11,37,996	...	...

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	2,073	12,247	597	48,251	3,383	66,551
United Provinces	90,000	1,25,000	7,000	...	56,000	2,78,000
Punjab	43,275	10,45,342	...	...	14,78,436	25,62,053
Burma	49,209	259	53	48,868	41	98,430
Federated Shan States	6,853	...	...	8,550	...	15,403
Bihar and Orissa	9,081	648	689	71	41	10,530
Assam	34,670	22,542	10,379	9,992	1,30,747	2,08,330
Central Provinces	34,774	68,562	14,413	14,02,122	29,260	15,49,131
Coorg	1	...	2	4,856	...	4,859
North-West Frontier Province	2,558	43,456	...	5,768	115	51,897
Ajmer	...	...	...	1,461	...	1,461
Baluchistan	494	7	...	53,839	429	54,769
Andamans	6,618	4,148	1,563	...	4,262	16,586
Madras	41,869	18,220	2,039	22,417	1,766	86,311
Bombay	99,119	1,44,983	51,891	8,67,819	46,775	12,10,587
TOTAL 1931-32	4,20,594	14,85,409	88,626	24,74,014	17,46,255	62,14,896
„ 1930-31	5,34,058	14,90,101	1,06,634	23,38,041	18,40,752	66,09,586
„ 1929-30	4,32,355	12,75,935	1,35,432	23,37,166	24,53,193	66,34,081
„ 1928-29	5,65,802	12,71,552	1,36,383	22,30,938	24,53,827	66,58,502
„ 1927-28	6,02,636	15,10,291	1,45,106	22,67,448	24,33,483	69,58,964

STATEMENT XVII.

Details of revenue and expenditure for the financial year 1931-32.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			1,87,13,804	66·3
	(b) Minor forest produce			39,04,002	13·8
	(c) Forest stamps and Commutation fees for forest produce			81,289	0·3
	(d) Grazing			30,90,398	10·9
	(e) Revenue from forests not managed by Government			1,63,276	0·6
	(f) Miscellaneous			22,58,989	8·0
			Total Revenue	2,82,11,758	—
Expenditure	A Recurring	(a) Administration	(i) Superior Staff	1,32,00,380	59·9
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	56,70,621	25·7
			(2) Roads and Buildings	11,27,334	5·1
			(3) Fire protection	2,48,198	1·1
			(4) Cultural operations	5,21,910	2·4
			(5) Live-stock, stores and plant	3,60,527	1·6
			(6) Working-Plans	26,503	0·1
			(7) Rent for leased forests	2,35,050	1·1
			(8) Miscellaneous	†6,39,386	2·9
		(c) Expenditure on realization of revenue from forests not managed by Government.		13,481	0·1
		(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).*		—	—
			Total	2,20,43,890	—
	B Extraordinary	(e) Forest Settlement		12,347	0·9
		(f) Forest Survey		8,006	0·6
		(g) Forest Demarcation		12,045	0·9
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		6,13,755	44·5
		(i) Share of Capital charges transferred to 8-A		7,32,571	53·1
			Total	13,78,724	—
			GRAND TOTAL OF EXPENDITURE	2,34,22,614	—
			Net Revenue	47,89,144	—
			(Excluding Burma and Federated Shan States.)		

* Expenditure under this head in provinces has been included in (a) Administration.

† Includes rent for leased forests in the Madras Presidency.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the financial year 1931-32.

(Burma and Federated Shan States only.)

					Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood				1,02,73,349	90·1
	(*b*) Minor forest produce				5,33,516	4·7
	(*c*) Grazing				21,160	0·2
	(*d*) Revenue from forests not managed by Government				1,33,587	1·2
	(*e*) Miscellaneous				4,34,407	3·8
				Total Revenue	1,13,96,019	...
Expenditure	A Recurring	(*a*) Administration.	(*i*) Superior Staff		51,71,094	83·8
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).			
			(*iii*) Office Establishments (including Contingencies).			
		(*b*) Working	(1) Extraction		2,41,367	3·9
			(2) Roads and Buildings		2,39,543	3·9
			(3) Fire protection		28,528	0·6
			(4) Live-stock, stores and plant		1,73,726	2·8
			(5) Working Plans, revision and maintenance.		2,191	...
			(6) Maintenance of boundaries		4,798	0·1
			(7) Regeneration and improvement		1,35,480	2·2
			(8) Silvicultural Research		4,342	...
			(9) Utilisation Research		...	...
			(10) Other Works		49,905	0·8
			(11) Miscellaneous		1,17,615	1·9
				Total	61,68,589	...
	B Extraordinary	(*c*) Forest Survey			1,17,248	24·2
		(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.			2,94,000	60·8
		(*e*) Share of capital charges transferred to 8-A			72,473	15·0
				Total	4,83,721	...
				GRAND TOTAL OF EXPENDITURE	66,52,310	...
				Net Revenue	47,43,709	...

(Burma and Federated Shan States only.)

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	2,63,345	6,28,493	14,47,005	3,54,145	6,903	3,91,137
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	13,28,692	37,33,915	3,46,587	1,04,73,880	6,33,100	12,72,765
III.—Drift and waif wood and confiscated forest produce.	...	3,696	1,023	68,981	1,85,608	297	21,304
IV.—Revenue from forests not managed by Government.	...	...	31,597	2,393	1,33,587	...	35,607
V.—Miscellaneous	...	98,746	1,33,825	3,79,243	2,48,799	(a)—12,287	2,06,265
TOTAL REVENUE .	...	16,94,479	45,28,923	22,44,209	1,13,96,019	6,28,013	19,27,078
EXPENDITURE.							
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	1,57,600	2,78,476	6,42,983	59,163	2,862	2,45,909
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,86,015	1,53,008	1,421	1,53,669	23,277	1,36,148
III.—Drift and waif wood and confiscated forest produce.	...	...	367	14,220	28,535	44	698
IV.—Revenue from forests not managed by Government.	...	...	13,481	...	1,571	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	6,369	1,20,563	...	....	17,740
VI.—Live-stock, stores, tools and plant . .	...	...	49,904	4,288	1,73,726	3,835	25,088
VII.—Communications and buildings . .	...	1,39,609	2,01,439	39,875	2,39,543	80,844	1,19,863
VIII.—Demarcation, improvements and extension of forests.	...	1,13,731	2,55,195	86,945	2 25,244	32,026	38,012
IX.—Miscellaneous	...	19,992	10,855	(b)—14,461	1,16,044	10,162	19,736
Total A.—Conservancy, Maintenance and Regeneration.	...	6,16,947	9,69,094	8,95,834	9,97,495	1,53,050	6,03,194
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	59,082	8,20,005	16,58,333	10,62,261	52,88,342	4,98,573	8,54,883
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	59,737	712	1,46,307	2,94,000	49,824	86,767
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	1,64,355	16,025	...	72,473	61,810	66,364
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	3,93,526	93,28,663	...	342
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	59,082	16,61,044	26,44,164	21,04,402	66,52,310	7,63,257	16,11,208
SURPLUS . (Excluding expenditure under E.)	...	33,435	18,84,759	1,39,807	47,43,709	...	3,15,870
DEFICIT .	59,082	...	...	...	...	1,35,244	...
Proportion of surplus to gross revenue . .	...	2	40	6	41	...	16
Net revenue per square mile of forest area under control of Forest Department.	...	3	360	26	32	...	15

(a) Refunds after deducting Revenue under V.—Miscellaneous.

(b) Work advances after deducting expenditure under IX—Miscellaneous.

MENT XVIII.

Forest Department in India for the financial year 1931-32.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
13,28,445	4,20,463	6,68,811	40,894	4,962	14,36,498	...	12,02,145	19,33,191	1,01,26,437
27,93,326	31,460	22,995	38,522	8,996	4,830	...	23,74,033	33,21,321	2,63,84,422
1,685	...	4,946	...	7	...	...	9,381	3,069	3,00,067
39,637	15,799	10,891	...	6,702	...	...	...	27,352	3,03,565
2,84,018	18,099	23,642	8,171	7,309	10,135	29,092	6,69,315	3,88,914	24,93,286
44,47,111	4,85,821	7,31,285	87,587	27,976	14,51,463	29,092	42,54,874	56,73,847	3,96,07,777
5,27,385	41,930	4,55,269	22,434	799	8,87,659	...	3,55,845	11,64,230	48,42,494
1,85,942	...	...	615	...	660	...	1,94,461	45,260	10,80,476
134	...	2,124	...	...	...	...	...	...	46,122
13	...	...	...	383	...	...	...	...	15,398
6,100	...	26,071	18,000	...	...	...	...	33,347	2,33,190
21,688	9,801	...	270	299	92,883	5,546	85,585	29,406	5,02,319
1,93,792	10,082	43,526	10,925	500	6,818	1,548	1,83,796	1,22,232	13,94,392
1,46,727	32,331	9,916	2,149	1,364	24,977	...	1,32,266	1,16,960	12,17,843
38,330	1,818	(b)—6,153	320	400	4,654	1,45,724	19,569	44,190	4,11,180
11,20,061	95,962	5,30,753	54,713	3,695	10,17,651	1,52,818	9,71,522	15,60,625	97,43,414
20,90,874	1,24,803	1,84,157	32,971	30,991	1,71,328	5,75,350	27,19,921	23,23,582	1,84,95,456
2,08,409	...	23,676	...	...	...	46	...	1,24,589	9,94,067
33,820	7,750	15,312	...	...	42,638	4,960	2,98,444	57,986	8,41,987
35,344	...	...	64	...	...	...	3,100	...	(c) 97,61,039
34,53,164	2,28,515	7,53,898	87,684	34,686	12,31,667	7,33,174	39,89,887	40,66,782	3,00,74,924
9,93,947	2,57,306	...	...	...	2,19,796	...	2,64,987	16,07,065	1,04,60,681
...	...	22,613	97	6,710	...	7,04,082	...	...	9,27,628
22	53	...	...	...	15	...	6	28	24
51	479	...	...	...	100	...	16	108	39

(c) Not included in Grand Total of expenditure.

STATE

Revenue of the Forest Department throughout India for the 33 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal*	1,64,368	2,89,772	5,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,81,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,27,318
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam†	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg	92,491	76,687	1,06,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,780	2,24,061	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	18,012	1,01,123	1,01,833	90,991
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,29,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,088	3,557
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras	6,03,248	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay	11,77,678	12,28,561	18,93,818	30,11,314	38,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,498	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,956

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529
United Provinces	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	37,27,312
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399 (a)	1,96,77,824 (a)
Bihar and Orissa	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	10,70,268
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756
Central Provinces and Berar	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,692
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030
North-West Frontier Province	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062
Baluchistan	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,71,382	7,25,597
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579
Forest Surveys (Imperial)	...	...	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964
GRAND TOTAL	4,09,69,257	4,68,18,231	5,36,75,789	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1931-32 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,329	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	Madras.
33,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1925-26.	1926-27	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	Imperial.
28,56,420	31,23,841	33,49,480	31,18,357	30,52,078	23,12,049	16,94,479	Bengal.
64,26,281	58,71,303	72,01,183	61,80,391	61,79,638	49,76,118	45,28,923	United Provinces.
41,12,076	39,07,731	31,91,217	35,28,025	31,57,771	23,84,898	22,44,209	Punjab.
2,23,46,518 (a)	2,35,94,060 (a)	2,24,07,668 (a) (b)	1,81,00,143 (a)	2,03,66,104 (a)	1,56,68,850 (a)	(a) 1,13,96,019	Burma.
10,28,592	9,43,752	9,38,760	10,97,161	9,39,275	8,11,407	6,28,013	Bihar and Orissa.
30,39,140	31,33,473	36,13,460	37,67,873	35,20,008	22,63,077	19,27,078	Assam.
49,87,409	53,21,376	50,78,160	54,46,316	59,97,508	51,11,894	44,47,111	Central Provinces and Berar.
5,38,518	4,58,145	4,93,372	5,25,636	5,72,031	3,09,073	4,85,821	Coorg.
7,44,207	7,91,166	7,56,700	8,29,377	8,64,377	8,03,902	7,31,285	North-West Frontier Province.
72,759	66,934	76,515	87,924	93,803	95,273	87,587	Ajmer.
23,621	27,942	29,867	23,425	29,300	29,277	27,976	Baluchistan.
8,91,029	11,70,863	14,18,062	15,00,706	20,06,813	19,37,596	14,51,463	Andamans.
1,05,697	2,74,025	1,16,167	1,06,001	1,03,866	90,605	29,092	Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
51,70,520	56,23,700	53,44,431	61,54,773	64,64,825	52,69,087	42,54,874	Madras.
75,28,038	76,56,420	72,94,094	73,43,035	79,74,964	52,23,753	56,73,847	Bombay.
5,98,70,825	6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	4,72,86,859	3,96,07,777	GRAND TOTAL.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

F 2

STATE

Expenditure of the Forest Department throughout India for the 33 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	88,298	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer	6,197	18,692	18,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,790	33,985	33,935	28,229
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1 90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489	1,68,595
Bengal	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471
United Provinces	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159 (a)	96,28,313 (a)
Bihar and Orissa	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853
Central Provinces and Berar	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751
North-West Frontier Province	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,38,713
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365
Forest Surveys (Imperial)	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459
Bombay	33,53,714	78,72,197	59,18,682	58,05,022	50,23,946	40,14,344	44,01,024	43,82,317
GRAND TOTAL	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*contd.*

from 1899-1900 to 1931-32 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,936	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,582	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,178	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,186	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,217	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883	GRAND TOTAL.

1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,18,903	1,23,858	61,661	59,361	61,498	1,93,252 (b)	59,682	Imperial.*
12,60,968	17,34,761	17,02,458	16,82,191	16,65,180	15,95,129	16,61,044	Bengal.
36,95,346	33,73,409	39,93,303	32,43,716	33,88,710	32,78,623	26,44,164	United Provinces.
27,01,510	27,03,386	29,54,874	24,93,319	29,69,197	28,01,464	21,04,402	Punjab.
86,87,943 (a)	89,40,884 (a)	88,37,858 (a)	84,24,771 (a)	78,08,595 (a)	75,61,238 (a)	66,52,310 (a)	Burma.
6,65,624	10,88,069	6,63,374	8,50,373	9,02,662	7,34,695	7,63,257	Bihar and Orissa.
15,67,983	14,47,506	14,45,767	21,22,366	22,20,302	21,16,589	16,11,208	Assam.
33,45,729	36,48,691	34,99,468	36,49,259	39,75,653	39,60,817	34,53,164	Central Provinces and Berar.
3,05,395	2,84,770	2,50,186	2,65,133	3,11,454	2,97,350	2,28,515	Coorg.
5,47,321	6,40,719	6,91,414	8,34,935	8,40,218	8,13,708	7,53,898	North-West Frontier Province.
55,161	79,728	82,854	76,355	81,200	88,821	87,684	Ajmer.
31,358	32,422	34,019	36,878	37,651	41,735	34,686	Baluchistan.
11,35,063	12,20,097	14,50,684	13,28,927	16,47,454	17,27,018	12,31,667	Andamans.
8,14,033	8,96,566	9,35,364	9,41,737	9,31,834	9,69,467	7,33,174	Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
48,23,239	50,36,844	47,69,594	45,59,503	48,18,627	46,79,321	39,89,887	Madras.
42,07,626	43,59,516	43,11,781	44,92,445	46,75,278	43,51,586	40,66,782	Bombay.
3,39,63,202	3,56,06,316	3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	3,00,74,924	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges,
Orissa.
te Bengal.

STATE

Surplus of the Forest Department throughout India for the 33 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,283	3,62,015	4,78,883
United Provinces	2,93,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,315	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,296	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—68,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,789	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,33,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—88,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,658
United Provinces	29,11,769	20,88,203	13,16,479	17,36,209	12,41,989	22,14,317	30,65,334	32,37,982
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498	11,12,824
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240 (a)	1,00,49,511 (a)
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	11,47,903
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769
Coorg	2,58,732	2,52,301	4,40,481	—89,407	1,03,086	3,56,646	1,35,349	3,09,279
North-West Frontier Province	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,832	—4,28,093
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1931-32 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,87,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,492	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,522	3,26,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	65,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,818	1,69,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,358	—48,668	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,78,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,18,50,046	1,07,80,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,394	1,25,23,766	1,83,18,047	GRAND TOTAL.

1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs. (b)	Rs.	
—1,18,903	—1,23,858	—61,661	—59,361	—61,498	—1,93,252	—59,082	Imperial.*
15,95,452	13,89,080	16,47,027	14,36,166	13,86,898	7,16,920	33,435	Bengal.
27,30,935	24,97,804	32,07,880	29,36,675	27,90,928	16,97,495	18,84,759	United Provinces.
14,10,566 (a)	12,04,345 (a)	2,36,343 (a)	10,34,706 (a)	1,88,574 (a)	—4,16,566 (a)	1,39,807 (a)	Punjab.
1,36,58,575	1,46,53,176	1,35,69,810	96,75,372	1,25,57,509	81,07,612	47,43,709	Burma.
3,62,968	—1,39,317	2,75,386	2,46,788	36,613	76,712	—1,35,244	Bihar and Orissa.
14,71,157	16,85,967	21,67,693	16,45,507	12,99,706	1,46,488	3,15,870	Assam.
16,41,680	16,72,685	15,78,692	17,97,057	20,21,855	11,51,077	9,98,947	Central Provinces and Berar.
2,33,123	1,73,375	2,43,186	2,60,503	2,60,577	11,723	2,57,806	Coorg.
1,96,886	1,50,447	65,286	—5,558	24,159	—9,806	—22,613	North-West Frontier Province.
17,598	—12,794	—6,339	11,569	12,603	11,452	—97	Ajmer.
—7,737	—4,480	—4,152	—13,453	—8,351	—12,448	—6,710	Baluchistan.
—2,44,034	—49,234	—32,622	1,71,779	3,59,359	2,10,578	2,19,796	Andamans.
—7,08,336	—6,22,541	—5,19,197	—8,35,736	—8,27,968	—8,78,862	—7,04,082	Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
3,47,281	5,86,856	5,74,837	15,95,270	16,46,198	5,89,766	2,64,987	Madras.
33,20,412	32,96,904	29,82,313	28,50,590	32,99,686	8,72,167	16,07,065	Bombay.
2,59,07,623	2,63,58,415	2,56,24,482	2,27,47,874	2,49,86,848	1,20,81,056	95,32,853	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATEMENT No. XX.

Forest Area by ownership (in square miles).

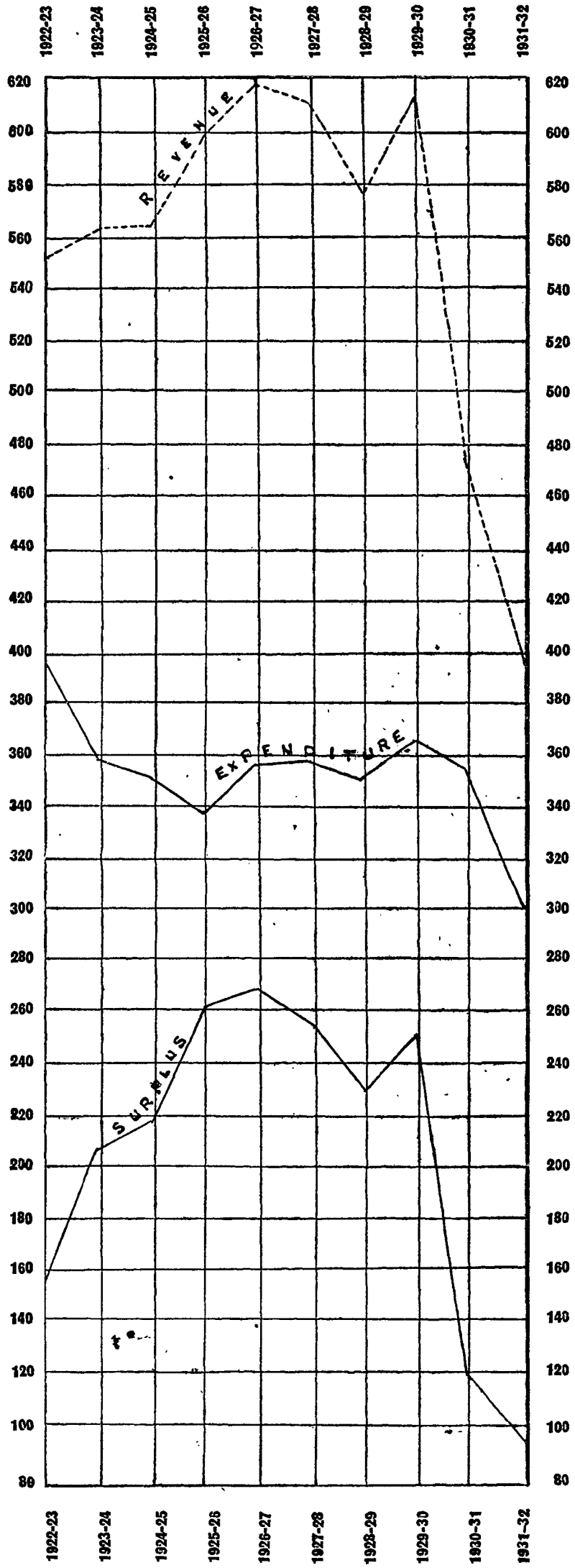
Province.	Type of Forests.	The State.			Corporate Bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forest.	Total.				
1	2	3	4	5	6	7	8	9
Bengal	Merchantable	7,078	31	7,109	...	1,654	8,763	
	Unprofitable or inaccessible	21	3,445	3,466	...	...	3,466	
United Provinces	Merchantable	3,491	700	4,191	21	1,200	5,412 (a)	
	Unprofitable or inaccessible	...	10,084	10,084	...	1,876	11,960	
Punjab	Merchantable	860	231	1,091	132	...	1,223	
	Unprofitable or inaccessible	1,158	3,029	4,187	666	...	4,853	
Burma	Merchantable (all species)	10,392	34,113	44,505	...	...	44,505	
	Merchantable (Teak only)	11,324	16,085	27,409	...	...	27,409	
	Unprofitable or inaccessible	6,736	42,905	49,641	...	...	49,641	
Federated Shan States	Merchantable (all species)	434	2,319	2,753	...	...	2,753	
	Merchantable (Teak only)	1,977	3,465	5,442	...	...	5,442	
	Unprofitable or inaccessible	716	15,740	16,456	...	...	16,456	
Bihar and Orissa	Merchantable	902	2,113	3,015	...	19,675	22,690 (b)	
	Unprofitable or inaccessible	...	679	679	...	13,611	14,290	
Assam	Merchantable	3,282	...	3,282	52	317	3,651	
	Unprofitable or inaccessible	2,869	15,646	18,515	....	...	18,515	
Central Provinces	Merchantable	12,221	8,179 (c)	20,400	...	25,479	45,879	
	Unprofitable or inaccessible	...	2,698 (c)	2,698	...	21,889	24,587	
Coorg	Merchantable	372	191	563	...	199	762	
	Unprofitable or inaccessible	123	139	262	...	146	408	
North-West Frontier Province.	Merchantable	161	3	164	...	...	164	
	Unprofitable or inaccessible	18	67	85	...	595	680	
Ajmer	Merchantable	...	142	142	...	...	142	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Baluchistan	Merchantable	...	...	...	...	...	...	
	Unprofitable or inaccessible	...	788	788	...	...	788	
Andamans	Merchantable	2,190	...	2,190	...	...	2,190	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Madras	Merchantable	3,361	8,057	11,418	...	7	11,425	
	Unprofitable or inaccessible	...	8,099	8,099	...	1,325	9,424	
Bombay	Merchantable	7,446	2,115	9,561	...	222	9,783	Figures are only approximate.
	Unprofitable or inaccessible	...	5,307	5,307	...	...	5,307	
Total	Merchantable	65,491	77,744	143,235	205	48,753	192,193	
	Unprofitable or inaccessible	11,641	108,626	120,267	666	39,442	160,375	
	GRAND TOTAL	77,132	186,370	263,502	871	88,195	352,568	
	Percentage of total Forest Area	21·9	52·9	74·8	00·2	25·0	100·0	

(a) Area of forests under Native States (2,300 square miles) has been omitted.
(b) 6,289 square miles represent forest area of Orissa States.
(c) Includes 2,482 and 1,172 square miles of Ryotwari Forests respectively.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

For the 10 years 1922-23 to 1931-32.



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Annual Return of Statistics relating to Forest Administration in British India for the year 1932-33

DELHI: MANAGER OF PUBLICATIONS
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English Bookstall, Karachi.
Fono Book Agency, New Delhi and Simla.
Gaya Prasad & Sons, Agra.
Gopalakrishna Kone, Pudumandapam, Madras, Messrs. E. M.
Grantha Mandir, Cuttack.
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Hindu Library, 137-F, Balaram De Street, Calcutta.
Hyderabad Book Depot, Chaderghat, Hyderabad (Deccan).
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Nateson & Co., Publishers, George Town, Madras, Messrs. G. A.
Newman & Co., Ltd., Calcutta, Messrs. W.
North India Christian Tract and Book Society, 18, Clive Road, Allahabad.
Oriental Book Supplying Agency, 15, Shukrawar, Poona City.
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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1923-24 to 1932-33.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	75,857	6,478	660	3,445	10,583	13·9	
United Provinces	106,014	(a) 5,195	4	53	5,252	4·9	(a) Includes 1 square mile of leased forests.
Punjab	95,315	(b) 1,542	(c) 3,205	(d) 462	5,209	5·5	(b) Includes 348 square miles of leased forests but excludes 499 square miles of reserved forests not under the control of Forest Department.
							(c) Excludes 63 square miles not under the control of Forest Department.
Burma	182,900	31,516	...	90,749	122,265	66·8	(d) Excludes 235 square miles of civil forest and village forest lands.
Federated Shan States	60,615	3,189	...	(e) 35,625	38,814	64	(e) Excludes 22,202 square miles without forest growth.
Bihar and Orissa	83,021	1,848	(f) 1,171	3	3,022	3·6	(f) Excludes 677 square miles not under Forest Department and one square mile under Railway Board.
Assam	55,445	6,184	...	14,882	21,066	37·9	
Central Provinces (including Berar).	99,957	(g) 19,606	...	...	19,606	19·6	(g) Includes 174 square miles of leased forests.
Coorg	1,593	519	330	...	849	53·3	
North-West Frontier Province.	12,986	245	105	...	350	2·7	
Ajmer	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	54,228†	316	...	472	788	1·4	
Andamans and Nicobar	3,143†	52	...	2,137	2,189	69·6	
Madras	142,218	15,650	(h) 565	...	16,215	11·4	(h) Represents reserved lands.
Bombay (including Sind)	123,254	13,397	1,172	...	(i) 14,869	12·1	(i) Includes 2,304 square miles of reserved and protected forests not under the management of Forest Department.
Total 1932-33	1,099,313‡	106,179	7,212	147,828	261,219	23·7	
,, 1931-32	1,101,902‡	105,960	6,682	133,189	245,831	22·3	
,, 1930-31	1,102,595‡	107,753	6,263	135,694	249,710	22·6	
,, 1929-30	1,103,486‡	107,353	6,298	135,503	249,154	22·6	
,, 1928-29	1,103,692‡	106,849	6,308	136,665	249,822	22·7	

† Figures taken from the Census Report of 1931.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1932-33.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	1	29	...	...	...	...
United Provinces	...	1	...	...	...	...
Punjab	...	7	...	...	...	...
Burma	453	976	62	...	...	...
Federated Shan States	24	54	...	...	...	...
Bihar and Orissa	12	13	...	...	...	...
Assam	40	62	87	...	...	...
Central Provinces	1	1	1	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	20	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	316	...	316	...	...
Andamans	...	52	...	...	...	...
Madras	77	177	87	No information available.		
Bombay	45	49	43	255	...	...
Total 1932-33	653	1,757	280	571	...	...
Total 1931-32	1,643	3,975	458	21,066	...	...
Total 1930-31	530	4,242	512	10,088	...	...
Total 1929-30	554	2,766	2,286	14,304	...	...
Total 1928-29	1,433	2,300	1,715	3,312	...	269

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	201	1,260	1,356	3,017	314	1,391	4,722	7,237	9,820
United Provinces .	33	2,696	5,946	8,675	20	2,886	11,581	1,651	12,859
Punjab . . .	7	1,819	7,121	8,947	1	1,398	10,346	...	5,516
Burma . . .	292	1,264	16,038	17,594	338	4,016	21,948	5,902	11,136
Federated Shan States	10	282	1,045	1,337	...	586	1,923	301	1,783
Bihar and Orissa .	58	3,641	1,168	4,867	3	358	5,228	266	3,153
Assam . . .	7	1,574	1,045	2,626	12	2,371	5,009	100	8,387
Central Provinces .	5	3,572	29,266	32,843	...	3,377	36,220	117	7,755
Coorg . . .	...	25	444	469	...	67	536	...	567
North-West Frontier Province.	41	167	610	818	...	139	957	227	1,868
Ajmer . . .	...	9	230	239	...	158	397	...	175
Baluchistan . .	...	26	434	460	...	77	537	...	80
Andamans .	...	...	36	36	36	23	95	...	...
Madras . . .	70	19,941	2,994	23,005	433	2,267	25,705	3,019	7,596
Bombay . . .	35	25,337	13,066	38,438	45	2,709	41,192	81	3,002
1932-33	759	61,613	80,999	143,371	1,202	21,823	166,396	18,901	73,217
1931-32 .	771	57,263	85,055	143,119	1,422	21,555	166,096	17,630	62,692
Total 1930-31 .	1,152	61,980	79,318	142,486	731	21,462	164,679	32,161	1,08,440
1929-30	1,173	61,499	78,688	140,860	937	21,045	162,806	17,974	1,03,363
1928 29 .	1,523	62,759	76,327	140,633	898	21,061	163,419	20,759	1,16,120

STATEMENT IV.

Forest survey operations from 1st April 1932 to 31st March 1933.

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
		1" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1932-33.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans .	...	...	...	...	...	...	...	...	527·00	.....	
Assam . .	Cachar . . .	76·58	...	...	...	...	...	(a) 76·58	5,891·62	.....	(a) Cost of surveys not debitable to "Forests".
Bengal . .	Chittagong Hill Tracts	40·62	...	...	...	...	...	(b) 40·62	5,339·22	.....	(b) Ditto.
Bihar and Orissa.	Angul	62·70	...	...	...	...	...	(c) 62·70	2,480·27	.....	(c) Excludes 190·54 sq. miles of revisionary survey. Cost not debitable to "Forests."
N.-W. F. P. .	...	...	...	...	...	...	...	...	465·00	.....	
Baluchistan .	Baluchistan . .	8·60	...	...	...	...	...	(d) 8·60	249·90	.....	(d) Excludes 167·82 sq. miles of revisionary survey on 1" scale and 30·04 sq. miles on 2" scale 268 8 L. M. of boundaries were previously surveyed and 30·0 L. M. of boundaries not previously surveyed. Cost not debitable to "Forests."
Punjab . .	...	...	...	...	...	...	...	...	4,385·00	.....	
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
Ajmer . .	...	...	...	...	...	...	...	...	172·04	.....	
Madras . .	...	...	...	...	...	...	...	...	18,216·57	.....	

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1932 to 31st March 1933—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1932-33.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
India . .	...	...	...	...	...	...	...	...	...	.....	
Coorg . .	...	...	...	...	...	...	...	...	478·00	.....	
Central Provinces.	Chanda Sambalpur East (*f*)	101·30	...	...	...	...	...	(*e*) 101·30	19,636·30	.....	(*e*) B class reserved Forests. Cost not debitable to "Forests". (*f*) Revision of 62·12 sq. miles of Forests on 1" scale covered by Forest survey on larger scale. Cost not debitable to "Forests".
Bombay . .	...	...	...	...	...	...	...	...	13,232·90	.....	
Burma . .	Upper Chindwin .	7·88	...	...	...	...	...	(*g*) 7·88	27,362·80	.....	(*g*) Excludes 241·70 sq. miles of revisionary survey. Cost not debitable to "Forests". (*h*) Excludes 608·41 sq. miles of revisionary survey. Cost not debitable to 'Forests".
	Myittha . . .	104·87	...	...	...	...	...	(*h*) 104·87			
										Rs. A. P.	Contributions to Forest Map Office by Provincial and Central Governments (after emergency cut). Rs.
TOTAL 1932-33	1st April 1932 to 31st March 1933.	402·55	...	...	...	...	...	402·55	105,579·32	.....	41,982
„ 1931-32	1st April 1931 to 31st March 1932.	478·54	...	...	...	3·79	...	482·33	105,176·77	8,826 0 0	46,000
„ 1930-31	1st April 1930 to 31st March 1931.	...	...	...	...	362·23	...	362·23	104,694·44	2,58,901 0 0	46,000
„ 1929-30	1st April 1929 to 31st March 1930.	1,491·73	...	...	...	290·75	...	1,782·48	104,332·21	2,44,091 0 0	36,000
„ 1928-29	1st April 1928 to 31st March 1929.	1,051·59	...	122	...	300·52	...	1,474·11	102,549·73	2,50,791 0 0	36,000

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,811	45	93	6,763	63·9	1	28	3,791	10,583	...	105	3,907	230
United Provinces	4,990	216	...	5,206	99·1	31	...	15	5,252	...	1,739	713	74,577
Punjab	2,545	207	372	2,380	46	118	...	2,711	5,209	...	1,227	461	4,001
Burma	23,349	1,811	186	24,974	79	931	1,326	4,285	(a) 31,516	...	3,271	807	...
Federated Shan States	1,373	...	...	1,373	43	264	24	1,528	(a) 3,189	...	842	...	...
Bihar and Orissa	2,237	7	3	2,241	74·18	166	10	604	3,021	175	845	...	507
Assam	1,503	...	...	1,503	7	267	2,372	16,924	21,066	9	8	...	...
Central Provinces	17,585	3	8	17,580	89	990	53	983	19,606	1,406	956	1,862	...
Coorg	...	...	...	...	...	...	...	...	849	169	169	...	8,248
North-West Frontier Province.	245	...	...	245	70	...	...	105	350	...	...	76	...
Ajmer	142	...	...	142	...	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	788	788	...	...	...	...
Andamans	708	...	...	708	32·34	...	...	1,481	2,189	...	(b) 708	...	33,789
Madras	9,109	1,493	...	10,602	65	2,719	2,894	...	16,215	...	...	630	...
Bombay	8,880	109	92	8,897	71	775	285	2,627	(c) 12,584	...	1,551	20	2,291
TOTAL 1932-33	79,477	3,891	754	82,614	62·3	6,282	6,992	35,842	132,559	1,759	11,421	8,476	1,23,643
,, 1931-32	76,134	4,235	711	79,658	59·2	8,818	10,397	35,673	134,546	1,198	15,825	3,145	2,01,574
,, 1930-31	74,232	2,015	115	76,162	57·5	12,632	11,192	32,489	132,475	1,718	16,899	1,286	1,24,951
,, 1929-30	71,141	3,975	571	74,545	57·1	11,369	9,364	34,180	130,397	3,796	15,561	1,957	1,25,877
,, 1928-29	66,565	7,744	1,439	72,870	55·2	12,468	7,271	39,463	131,908	2,977	13,279	5,896	1,41,709

(a) Excludes unclassed forests.

(b) Area given is that of old working plan. Actual area that will be included in new working plan is not known.

(c) Excludes 2,304 square miles not under the management of Forest Department.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	16,644	470	36,918	42,417	12,584	1,09,033
United Provinces	5,023	5,792	80,444	97,487	16,034	2,04,780
Punjab	2,808	600	20,863	23,159	5,913	†53,343
Burma	7,960	3,984	83,374	1,37,744	9,094	2,42,156
Federated Shan States	2,200	...	2,556	2,267	2	7,025
Bihar and Orissa	3,532	2,815	26,840	34,887	3,466	71,540
Assam	20,795	3,102	28,707	45,962	15,921	1,14,487
Central Provinces	1,873	14,219	55,007	1,02,232	10,829	1,84,160
Coorg	...	...	2,854	4,006	1,040	7,900
North-West Frontier Province	* 1,124	* 85	7,606	23,566	1,932	34,313
Ajmer	...	...	602	986	57	1,645
Baluchistan	...	3	400	47	20	470
Andamans	...	...	2,988	39	12,154	15,181
Madras	10,852	6,139	55,331	90,624	5,914	1,68,860
Bombay	29,056	70,441	24,195	88,841	11,841	2,24,374
Total 1932-33	1,01,867	1,07,650	4,28,685	6,94,264	1,06,801	14,39,267
„ 1931-32	1,67,776	1,74,830	4,42,278	7,78,561	1,55,362	17,18,907
„ 1930-31	30,23,437	21,98,826	4,75,776	7,63,718	3,39,036	68,00,793
„ 1929-30	32,73,522	22,94,638	5,90,180	10,23,334	3,74,595	75,56,269
„ 1928-29	9,88,396	8,98,325	6,07,229	8,82,607	3,30,695	37,07,252

* Acquisition of land for roads and buildings.

† Excludes Rs. 15,911 on account of cost and carriage of material, pay of temporary establishment and maintenance. Supervision and interest charges on Railway B. G. siding, Chichawatni.

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1931-32.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	98	1	283	10	138	432	530	215	466	33	93	248	559	273
Bengal . . B.	412	6	2,783	2,543	1,656	6,988	7,400	7,169	12,510	15	19	7,184	12,529	189
Bengal . . C.	...	122	213	16	32	383	383	...	...	...	...	...	...	...
Total .	510	129	3,279	2,569	1,826	7,803	8,313	7,384	12,976	48	112	7,432	13,088	462
United Provinces. A.	107	19	68	24	54	165	272	172	422	13	75	185	497	86
United Provinces. B.	730	88	1,828	1,983	1,129	5,028	5,758	4,644	11,645	317	805	4,961	12,450	798
United Provinces. C.	...	179	119	15	25	338	338	...	...	...	...	...	...	...
Total .	837	286	2,015	2,022	1,208	5,531	6,368	4,816	12,067	330	880	5,146	12,947	884
Punjab . . A.	1,222	20	789	533	419	1,761	2,983	1,456	2,347	113	441	1,569(a)	2,788	1,080
Punjab . . B.	1,784	51	2,956	4,711	2,579	10,297	12,081	10,306	13,893	...	...	10,306(b)	13,893	1,209
Punjab . . C.	...	207	257	93	97	654	654	...	...	...	...	...	...	...
Total .	3,006	278	4,002	5,337	3,095	12,712	15,718	11,762	16,245	113	441	11,875	16,686	2,289
Burma . . A.	579	1	1,162	38	271	1,472	2,031	1,482	2,041	134	413	1,616	2,454	...
Burma . . B.	1,133	13	9,673	291	2,156	12,133	13,266	10,407	12,589	...	...	10,407	12,589	...
Burma . . C.	...	...	149	2	22	173	173	...	...	...	...	...	...	...
Total .	1,712	14	10,984	331	2,449	13,778	15,490	11,889	14,630	134	413	12,023	15,043	2,510*
Federated Shan States. A.	1	...	...	...	...	...	1	1	2	...	...	1	2	...
Federated Shan States. B.	20	1	135	22	67	225	245	158	217	...	...	158	217	...
Federated Shan States. C.	...	...	4	...	...	4	4	...	...	...	...	...	...	...
Total .	21	1	139	22	67	229	250	159	219	...	...	159	219	42*
Bihar and Orissa A.	55	8	221	19	67	315	370	267	571	45	146	312	717	82
Bihar and Orissa B.	163	7	2,610	459	147	3,223	3,386	3,235	8,919	...	...	3,235	8,919	121
Bihar and Orissa C.	...	75	19	...	1	95	95	...	...	...	...	...	...	...
Total .	218	90	2,850	478	215	3,633	3,851	3,502	9,490	45	146	3,547	9,636	153
Assam . . A.	94	...	193	17	133	343	437	256	487	39	145	295	632	142
Assam . . B.	329	...	1,149	83	565	1,797	2,126	1,810	3,118	75	215	1,885	3,333	241
Assam . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	423	...	1,342	100	698	2,140	2,563	2,066	3,605	114	360	2,180	3,965	383
Central Provinces. A.	59	7	131	146	41	325	384	246	780	58	233	304	1,013	80
Central Provinces. B.	5,341	182	10,160	10,003	1,413	21,758	25,099	19,927	48,922	1,277	2,390	21,204	51,312	3,895
Central Provinces. C.	...	403	1,244	204	40	1,891	1,891	...	...	...	...	...	...	...
Total .	3,400	592	11,535	10,353	1,494	23,974	27,374	20,173	49,702	1,335	2,623	21,508	52,325	3,975
Coorg . . A.	...	...	1	2	3	6	6	4	4	...	...	4	4	2
Coorg . . B.	...	1	5	33	7	46	46	46	55	...	...	46	55	...
Coorg . . C.	...	...	2	3	1	6	6	...	...	6	8	6	8	...
Total .	...	1	8	38	11	58	58	50	59	6	8	56	67	2
North-West Frontier Province. A.	158	12	268	52	88	420	578	94	207	25	75	119	282	349
North-West Frontier Province. B.	6	4	1,330	1,855	589	3,778	3,784	3,058	4,684	...	...	3,058	4,684	726
North-West Frontier Province. C.	...	62	2	...	...	64	64	...	...	...	...	...	...	...
Total .	164	78	1,600	1,907	677	4,262	4,426	3,152	4,891	25	75	3,177	4,966	1,075

* Burma and Federated Shan States have not shown separately "A", "B" & "C" in column 15. They have given the totals only.
(a) Excludes 334 cases withdrawn and filed.
(b) „ 566 cases dropped.

STATEMENT VII—*contd.*

Breaches of forest rules—*contd.*

Province.		Cases pending from 1931-32.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	12	...	24	42	6	72	84	73	138	3	6	76	144	8
	B.	...	19	571	1,648	25	2,263	2,263	2,263	4,783	...	...	2,263	4,783	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	12	19	595	1,690	31	2,335	2,347	2,336	4,921	3	6	2,339	4,927	8
Baluchistan	A.	21	...	7	10	2	19	40	27	79	6	17	33	96	7
	B.	...	...	45	260	1	306	306	306	477	...	...	306	477	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	21	...	52	270	3	325	346	333	556	6	17	339	573	7
Andamans	A.	...	...	5	...	...	5	5	5	5	...	...	5	5	...
	B.	...	...	13	...	...	13	13	13	13	...	...	13	13	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	18	...	...	18	18	18	18	...	...	18	18	...
Madras	A.	2,744	152	7,418	1,725	501	9,796	12,540	3,639	10,886	6,557	15,669	10,196	26,055	2,344
	B.	3,061	145	12,774	3,089	1,627	17,635	20,696	13,991	27,900	1,729	3,303	15,720	31,203	4,976
	C.	10	1,439	591	1	9	2,040	2,050	...	...	...	...	...	...	...
	Total	5,815	1,736	20,783	4,815	2,137	29,471	35,286	17,630	38,286	8,286	18,972	25,916	57,258	7,320
Bombay	A.	153	12	190	104	48	354	507	336	910	38	149	374	1,059	138
	B.	1,846	159	9,256	6,517	2,804	18,736	20,582	18,867	42,652	...	...	18,867	42,652	1,715
	C.	39	1,731	1,667	24	72	3,494	3,533	...	...	...	...	...	...	...
	Total	2,038	1,902	11,113	6,645	2,924	22,584	24,622	19,203	43,562	38	149	19,241	43,711	1,848
Grand Total	A.	5,303	232	10,760	2,722	1,771	15,485	20,788	8,273	18,845	7,064	17,462	15,337	36,307	4,536
	B.	12,825	676	55,288	33,497	14,765	104,226	117,051	96,200	192,382	3,413	6,732	99,613	199,114	13,870
	C.	49	4,218	4,267	358	299	9,142	9,191	...	...	6	8	6	8	...
Total 1932-33		18,177	5,126	70,315	36,577	16,835	128,853	147,030	104 473	211,227	10,483	24,202	114,956	235,429	18,406
„ 1931-32		17,985	4,947	63,399	36,628	13,790	118,764	136,749	99,775	207,057	9,825	20,864	109,600	227,921	17,677
„ 1930-31		12,280	4,547	58,756	33,620	13,622	110,545	125,052	89,782	191,845	7,871	18,895	97,653	210,740	16,784
„ 1929-30		13,710	4,302	55,959	33,994	15,887	110,142	126,025	97,718	196,132	5,939	14,870	103,652	211,002	11,722
„ 1928-29		12,770	4,737	58,451	34,880	14,388	112,456	128,004	96,584	193,820	5,094	13,366	101,745	207,186	13,820

N B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1931-32.	1932-33.	
1	2	3	4	5	6	7
Bengal	1,735	1,692	26·8	0·6	2·5	
United Provinces	3,380	3,160	64·1	4·7	6·4	
Punjab	938	908	60·83	1·9	3·14	
Burma	158	147	0·5	6·9	7·0	
Federated Shan States	3	3	0·1	18·0	—	
Bihar and Orissa	1,919	1,815	96·3	8·1	5·5	
Assam	19	19	0·3	39·6	...	
Central Provinces	13,540	13,028	69·0	4·4	3·9	
Coorg	230	229	44	1·3	0·4	
North-West Frontier Province	152	139	62	3·4	8·8	
Ajmer	142	141	99·3	0·45	0·7	
Madras	15,288	14,743	98	5·66	3·57	
Bombay	9,339	8,855	63	5	5	
Total 1932-33	46,843	44,879	42·3	4·7	4·2	
„ 1931-32	46,271	43,236	40·8	4·3	6·5	
„ 1930-31	45,838	43,862	40·7	3·9	4·3	
„ 1929-30	46,178	43,997	40·9	3·6	4·7	
„ 1928-29	43,993	41,993	41·1	3·6	4·5	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	5	1	14	4	45	15	2	...	47	23	113	43
United Provinces . . .	16	1	64	29	92	94	18	9	110	87	300	220
Punjab	1	...	26	2	134	5	117	31	6	...	284	38
Burma	9	349	9	170	20	2,219	3	398	34	3,957	75	7,093
Federated Shan States . .	...	..	...	...	2	4	...	...	4	22	6	26
Bihar and Orissa . . .	3	...	11	9	13	4	14	22	118	74	159	109
Assam	2	...	...	...	13	...	17	160	...	...	32	160
Central Provinces . . .	26	7	127	71	210	122	29	12	486	300	878	512
Coorg	...	...	4	...	1	...	...	...	5	1	10	1
North-West Frontier Province .	1	...	5	...	14	1	54	12	4	...	78	13
Ajmer	...	...	..	...	14	1	...	...	...	...	14	1
Baluchistan	...	...	...	...	1	...	...	...	1	...	2	...
Andamans	...	...	..	...	...	...	...	...	...	...	...	...
Madras	47	5	167	44	509	164	321	89	682	254	1,726	556
Bombay	76	30	123	95	532	84	146	33	1,006	256	1,883	493
TOTAL 1932-33 . . .	186	393	550	424	1,600	2,713	721	766	2,503	4,974	5,560	9,270
„ 1931 32 . . .	156	83	640	1.337	1,820	4,939	837	8,117	2,960	2,079	6,313	16,555
„ 1930-31 . . .	144	146	569	304	1,358	332	675	457	2,600	838	5,286	2,077
„ 1929-30 . . .	190	179	552	412	1 360	458	589	852	2,562	937	5,253	2,838
„ 1928-29 . . .	195	52	629	412	1,543	521	538	182	2,650	928	5,615	2,095

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6.)
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,234	...	4,223	...	126	...	10,583
United Provinces	1,966	68	2,336	13	821	48	5,252
Punjáb	389	66	4,140	114	358	142	5,209
Burma	24,079	...	91	224	2,625	4,497	122,265
Federated Shan States	2,308	...	...	...	745	136	38,814
Bihar and Orissa	624	...	609	...	1,410	376	3,022
Assam	5,957	...	13,531	...	1,578	...	21,066
Central Provinces	2,346	257	3,666	21	13,333	5,718	19,606
Coorg	80	439	...	...	...	439	849
North-West Frontier Province	63	...	93	...	194	...	350
Ajmer	60	79	3	...	...	79	142
Baluchistan	174	...	83	23	...	36	788*
Andamans	52	...	...	...	358	...	2,189
Madras	1,823	219	10,841	41	3,215	9	16,215
Bombay	1,397	313	3,439	39	9,667	14	14,869
TOTAL 1932-33	47,552	1,441	43,055	475	34,430	11,494	261,219
1931-32	46,629	1,337	46,989	488	31,408	5,640	245,831
1930-31	45,177	1,223	47,294	487	31,256	5,695	249,710
1929-30	44,819	1,030	46,303	586	31,292	5,932	249,154
1928-29	44,809	1,070	45,747	670	31,533	5,607	249,822

Note.—472 sq. miles of Unclassed Forests were open to grazing.

STATEMENT XI.

Protection from Cattle.

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,674	33,053	205	...	80	64	1,849	...	...	5
United Provinces	54,126	144,665	102,886	420	1,672	7,388	28,331	22,458	...	134
Punjab	8,891	13,053	409,977	24,116	99	245	5,813	451,289	...	137
Burma	3,674	23,057	...	...	3	...	...	...	...	...
Federated Shan States	2,115	506	...	...	298	...	...	...	...	...
Bihar and Orissa	3,008	15,507	938	...	1	5,668	12,082	...	...	...
Assam	8,906	4,354	443	...	105	254	921	...	...	...
Central Provinces	215,434	524,387	330,647	19	3,931	107,971	1,732,627	1,986	...	28
Coorg	231	2,719	...	...	2	...	...	...	...	...
North-West Frontier Province	2,175	2,833	30	...	34	...	...	...	...	...
Ajmer	721	6,621	...	...	...	3,964	16,993	...	...	...
Baluchistan	236	2,113	6,023	...	124	...	...	...	...	...
Madras	64,099	799,077	374,069	...	124	11,918	106,979	14,695	...	12
Bombay	21,359	52,379	62,489	535	7,283	206,508	940,396	404,303	...	4,802
Total 1932-33	387,649	1,624,324	1,287,707	25,090	13,756	343,980	2,845,991	894,731	...	5,118
„ 1931-32	374,243	1,602,721	1,458,798	42,656	11,598	351,465	2,904,143	798,971	...	4,311
„ 1930-31	428,646	1,985,282	1,812,687	25,642	12,269	340,659	2,788,569	949,521	103	2,885
„ 1929-30	506,117	2,272,384	2,031,369	45,878	15,194	428,243	3,099,178	875,249	18	4,528
„ 1928-29	501,532	2,171,060	2,075,638	24,870	12,669	412,668	3,112,907	969,833	180	3,696

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,143	3,526	...	...	7	42,606
40,524	469,789	46,436	...	1,421	6,940	37,981	61,473	...	174	1,020,818
233,563	815,489	860,683	1,687	38,368	5,099	15,010	...	343	372	2,884,234
111,583	252,693	...	...	1,059	6,863	918	...	...	10,695	410,535
3,634	4,473	...	...	...	706	...	...	...	336	12,038
40,390	234,757	111,319	...	8	57	557	250	...	2	424,544
29	88	...	...	...	4,971	6,926	224	...	29	27,250
...	375	...	...	...	1,845	254,665	138	...	234	3,174,287
10	494	...	...	...	2,307	15,311	...	...	...	21,074
5,366	9,299	5,500	500	100	...	...	...	...	...	25,837
482	1,991	...	...	...	...	...	...	...	...	30,772
...	3,386	50,069	...	1,500	...	...	...	...	...	63,451
1,775	9,822	4,090	...	534	11,301	99,881	320	...	...	1,498,696
2,265	6,055	...	...	20	105,855	485,660	47,023	1,749	1,811	2,350,492
439,621	1,808,711	1,078,097	2,187	43,010	147,077	920,435	109,428	2,092	13,660	11,992,664
431,878	1,798,325	1,671,002	1,687	42,479	161,724	866,981	66,286	2,183	13,863	12,605,314
453,309	1,811,086	1,138,583	1,687	43,426	156,388	793,149	65,107	1,731	13,737	12,824,466
364,210	1,682,848	1,498,514	326	204,041	132,329	837,135	68,838	1,058	16,438	14,080,484
395,493	1,710,456	1,513,008	326	203,406	136,934	845,151	66,130	1,053	16,793	14,173,803

STATEMENT XII.

Progress in concentrated regeneration and afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	...	2,160	...	2,160	60,100
United Provinces	17,111	862	156	18,129	94,435
Punjab	1,512	1,287	1,828	4,627	3,84,314
Burma	3,722	3,165	...	6,887	1,52,751
Federated Shan States	106	371	...	477	18,628
Bihar and Orissa	51,694	81	28	51,803	16,073
Assam	806	13,899	...	14,705	31,853
Central Provinces	14,083	544	2	14,629	21,813
Coorg	...	352	...	352	5,078
North-West Frontier Province	1,575	378	...	1,953	11,397
Ajmer	...	11	...	11	108
Baluchistan	...	79	6	85	1,049
Andamans	310	71	5	386	3,629
Madras	200	2,077	500	2,777	29,093
Bombay	47,903	8,064	...	55,967	70,257
Total 1932-33	139,022	33,401	2,525	174,948	9,00,578
„ 1931-32	64,646	61,637	3,862	130,145	9,49,079

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	18,973,000	4,40,224	587,000	3,721	768,000	62,830	20,328,000	5,06,784	9,487	182	891	6	223	18	8,720	105
United Provinces	32,537,000	15,98,931	43,000	652	77,000	6,493	32,657,000	16,06,076	6,263	308	10,750	156	1,453	123	6,318	306
Punjab . .	(a) 10,976,000	(b) 4,47,768	17,081,000	10,45,900	3,991,000	2,82,656	32,048,000	17,76,324	7,118	290	5,329	326	3,639	612	6,152	341
Burma . .	42,753,000	3,48,323	...	...	44,914,000	2,74,017	87,667,000	6,22,340	1,356	11	...	...	495	3	717	5
Federated Shan States.	1,456,000	16,889	...	...	1,279,000	55,541	2,735,000	72,430	456	5	...	...	36	2	70	2
Bihar and Orissa.	5,220,000	97,845	5,284,000	1,55,795	...	...	10,504,000	2,53,640	2,834	53	4,512	138	...	...	3,476	84
Assam .	(c) 7,706,000	(c) 1,59,748	...	...	7,643,000	2,99,667	15,349,000	4,59,415	1,246	26	...	...	514	20	729	22
Central Provinces	32,359,000	21,09,845	...	...	...	...	32,359,000	21,09,845	1,650	108	...	...	...	...	1,650	108
Coorg . .	309,044	30,796	107,557	230	...	...	416,601	31,026	595	59	326	1	...	...	921	60
North-West Frontier Province.	(d) 3,844,000	49,436	53,000	3,500	...	...	3,897,000	52,936	15,690	202	505	33	...	...	11,134	153
Ajmer . .	549,806	49,364	...	...	...	...	549,806	49,364	3,672	347	...	...	...	...	3,672	347
Baluchistan .	173,606	57,163	...	...	314,547	66	488,153	57,229	549	183	...	...	666	...	608	92
Andamans . .	...	...	...	...	3,545,569	7,769	3,545,569	7,769	...	...	...	...	1,619	4	1,619	4
Madras . .	(e) 23,884,000	(e) 14,93,838	...	(f) 78,369	...	...	22,884,000	15,72,207	1,402	96	...	139	...	...	1,411	97
Bombay . .	(a) & (g) 46,826,000	(a) 18,77,309	1,061,000	13,015	392,000	...	48,279,000	18,90,324	3,419	137	905	11	...	...	3,247	127
Total 1932-33 .	226,566,456	87,77,479	24,216,557	13,01,182	62,924,116	9,89,048	313,707,129	1,10,67,710	2,134	83	3,358	180	426	7	1,201	42
,, 1931-32 .	220,472,333	88,70,512	23,608,528	12,90,416	61,830,177	11,66,469	305,911,538	1,13,27,397	2,081	84	3,533	193	464	9	1,244	40
,, 1930-31 .	190,580,140	94,77,594	48,851,911	12,30,411	83,420,778	18,78,849	322,852,829	1,25,86,854	1,768	88	7,800	196	615	14	1,293	59
,, 1929-30 .	208,009,450	1,11,80,123	52,796,800	14,39,022	89,257,271	24,64,800	350,163,521	1,50,83,945	1,938	104	8,383	228	658	16	1,495	60
,, 1928-29 .	223,243,569	1,04,07,136	54,847,958	14,77,342	86,098,058	32,93,838	364,189,585	1,51,78,316	2,190	97	8,695	234	739	29	1,457	60

(a) Includes leased forests.
(b) ,, Rs. 24 on account of fruit culture.
(c) ,, shared forests.
(d) ,, Guzara forests.
(e) ,, leased forests and unreserved lands.
(f) Represents reserved lands.
(g) Excludes Sandalwood = 180 tons scented wood and 5 tons unscented and rejected stuff.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	400,000	6,809,000	21,000	...	7,230,000	398,000	12,112,000	588,000	...	13,098,000
United Provinces	72,000	7,682,000	39,000	933,000	8,726,000	140,000	9,824,000	157,000	13,810,000	23,931,000
Punjab	566,000	3,052,000	68,000	1,023,000	4,709,000	1,251,000	1,816,000	453,000	23,819,000	27,339,000
Burma	4,134,000	25,606,000	166,000	516,000	30,422,000	264,000	52,267,000	741,000	3,973,000	57,245,000
Federated Shan States	22,000	2,260,000	17,000	52,000	2,351,000	2,000	314,000	...	68,000	384,000
Bihar and Orissa	98,000	1,903,000	17,000	210,000	2,228,000	78,000	3,475,000	16,000	4,707,000	8,276,000
Assam	386,000	6,533,000	566,000	...	7,485,000	80,000	3,307,000	4,470,000	7,000	7,864,000
Central Provinces	4,733,000	3,774,000	391,000	...	8,898,000	8,403,000	13,772,000	1,168,000	118,000	23,461,000
Coorg	136,887	69,378	856	...	207,121	102,480	107,000	...	...	209,480
North-West Frontier Province	233,000	1,678,000	6,000	5,000	1,922,000	189,000	253,000	1,218,000	315,000	1,975,000
Ajmer	...	2,792	273	...	3,065	251,812	294,929	...	...	546,741
Baluchistan	954	1,190	901	...	3,045	26,804	458,124	680	...	485,108
Andamans	2,257,071	37,013	48,163	25,100	2,367,347	787,542	16,000	262,400	112,280	1,178,222
Madras	1,010,000	1,612,000	160,000	44,000	2,826,000	1,091,000	18,798,000	158,000	11,000	20,058,000
Bombay	1,147,000	5,796,000	106,000	301,000	7,350,000	724,000	31,933,000	19,000	8,253,000	40,929,000
Total 1932-33	15,195,912	66,815,373	1,607,193	3,109,100	86,727,578	13,788,138	148,747,053	9,251,080	55,193,280	226,979,551
„ 1931-32	14,345,863	61,486,876	1,669,097	3,074,967	80,596,803	13,193,161	150,621,556	7,382,130	54,117,888	225,314,735
„ 1930-31	17,669,862	75,918,546	1,878,673	3,666,613	99,133,694	15,591,251	146,014,124	7,970,480	53,243,280	223,719,135
„ 1929-30	21,413,337	87,246,019	1,839,366	3,642,104	114,140,826	19,219,943	154,445,552	9,335,560	52,921,640	235,922,695
„ 1928-29	20,097,720	98,943,784	1,633,959	4,179,432	125,050,695	23,796,098	153,576,852	9,302,240	52,373,700	239,138,890

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	438	1,67,981	584	...	1,69,003	...	35,310	44,604	...	79,914	6,825	2,48,697	2,345	...	2,57,867
United Provinces .	207	1,30,376	5	7,409	1,37,997	3,132	1,94,150	12,758	3,36,176	5,46,216	4,87,565	3,79,533	43	54,722	9,21,863
Punjab . . .	12,732	3,493	...	330	16,555	8	1,32,314	48,109	13,79,638	15,60,069	1,49,851	27,421	44	22,385	1,99,700
Burma . . .	557	2,48,644	1,636	10,796	2,61,633	41	14,028	53,641	96,861	1,64,571	7,627	1,58,009	101	29,499	1,93,136
Federated Shan States.	...	3,728	...	669	4,397	...	2,286	5,554	3,753	11,543	1	55,476	6	1,007	56,490
Bihar and Orissa .	2,233	51,852	707	4,643	59,435	...	8,291	5,421	1,32,328	1,46,040	814	40,945	69	6,337	48,165
Assam . . .	76	56,970	10,812	...	67,858	...	26,828	18,396	119	45,343	7,786	2,23,051	1,15,377	...	3,46,214
Central Provinces .	15,692	2,94,800	8,992	...	3,19,484	1,347	13,72,973	1,71,081	374	15,45,775	14,177	2,07,668	20,841	2,400	2,44,586
Coorg . . .	320	1,679	123	...	2,122	...	861	...	127	988	...	27,916	...	...	27,916
North-West Frontier Province.	...	...	...	...	...	...	6,216	95	9,187	15,498	30,293	1,045	...	100	37,438
Ajmer . . .	...	832	...	4	832	1,080	10,164	1,553	25,132	44,829	681	3,022	...	...	3,703
Baluchistan . .	...	...	...	...	...	...	1,396	199	53,410	55,005	379	1,374	471	...	2,224
Andamans . .	...	18	1,078	280	1,326	...	...	...	...	...	...	2,672	3,561	210	6,443
Madras . . .	7,461	3,73,932	1,505	391	3,83,289	176	5,90,940	23,559	6,770	6,21,445	13,805	5,51,518	1,501	649	5,67,473
Bombay . .	56	1,54,808	1,404	49,976	2,05,744	...	6,60,177	30,119	8,35,277	15,25,573	6,698	1,11,608	2,097	38,601	1,59,007
TOTAL 1932-33 .	39,772	14,88,613	26,646	74,444	16,39,675	6,684	30,61,884	4,15,089	28,79,152	63,62,809	17,32,502	20,40,855	1,45,956	1,55,913	30,75,226
,, 1931-32 .	39,814	13,89,054	26,373	75,679	15,30,920	5,690	30,84,500	3,78,199	29,01,986	63,70,375	7,65,506	23,08,808	1,70,145	1,81,643	34,26,102
,, 1930-31 .	34,165	14,36,385	22,103	78,038	15,70,781	14,206	32,57,991	4,07,845	32,20,547	69,00,589	11,28,136	25,55,705	2,41,101	1,81,542	41,06,484
,, 1929-30 .	52,562	16,03,051	30,887	83,754	18,29,754	9,114	34,04,497	3,63,111	34,18,659	72,95,381	11,36,408	39,36,376	2,68,149	6,27,877	59,68,810
,, 1928-29 .	65,536	17,10,291	34,125	81,712	18,91,664	6,899	36,07,577	3,77,063	37,12,754	77,04,293	11,38,919	39,48,251	2,63,643	2,31,546	55,82,359

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.		Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1932-33.	
		Average of 5 years 1927-28 to 1931-32.	In 1932-33.	Total.	Per ton.
1		2	3	4	5
				Rs.	Rs.
Caoutchouc, raw		10,298	3,082	8,78,331	285
Lac	Button	1,088	872	6,84,406	785
	Shell	20,968	13,087	83,38,484	637
	Stick, seed and other kinds	7,612	6,957	34,00,875	489
Cutch and gambier		2,206	1,453	3,07,512	212
Myrabolams		69,682	51,646	54,30,482	105
Cardamums		467	418	14,50,729	3,471
Sandal		878	421	6,40,717	1,522
Teak		43,587	17,348	40,18,093	232
Other kinds of wood and timber *		...	...	9,59,142	...
TOTAL	1932-33	...	...	2,61,08,771	...
,,	1931-32	...	...	3,89,72,688	...
,,	1930-31	...	...	6,91,67,627	...
,,	1929-30	...	...	11,66,51,584	...
,,	1928-29	...	...	13,49,23,946	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India.		Imports of sleepers of wood for railways into British India.	
	Cubic tons.	Rs.	Tons.	Rs.
1929	26,544	31,83,922	8	1,235
1930	26,413	36,03,907	...	...
1931	17,948	20,31,273	...	...
1932	12,218	11,37,996	...	...
1933	18,475	15,74,950	6	612

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	3,046	13,535	584	50,660	2,345	70,170
United Provinces	93,999	1,25,848	7,414	3,48,934	54,765	6,30,960
Punjab	62,352	10,39,661	...	...	14,50,506	25,52,519
Burma	42,985	11,720	1,636	53,641	101	1,10,083
Federated Shan States	3,726	...	...	5,554	6	9,286
Bihar and Orissa	23,824	50,966	5,448	1,37,749	6,406	2,24,393
Assam	35,752	20,090	10,812	19,885	1,15,377	2,01,916
Central Provinces	34,189	56,200	8,992	13,74,727	20,260	14,94,368
Coorg	329	...	123	4,745	...	5,197
North-West Frontier Province	1,845	43,026	...	9,282	100	54,253
Ajmer	105	...	...	26,760	...	26,865
Baluchistan	122	46	...	53,609	470	54,247
Andamans	5,482	3,513	1,808	...	3,771	14,074
Madras	38,838	11,751	1,896	54,776	2,150	1,09,411
Bombay	1,01,543	1,65,360	51,880	8,65,396	40,701	12,24,380
TOTAL 1932-33	4,48,137	15,41,716	89,593	30,05,718	16,96,958	67,82,122
,, 1931-32	4,20,594	14,85,409	88,626	24,74,014	17,46,255	62,14,896
,, 1930-31	5,34,058	14,90,101	1,06,634	26,38,041	18,40,752	66,09,586
,, 1929-30	4,32,355	12,75,935	1,35,432	23,37,166	24,53,193	66,34,081
,, 1928-29	5,65,802	12,71,552	1,36,383	22,30,938	24,53,827	66,58,502

STATEMENT XVII.

Details of revenue and expenditure for the financial year 1932-33.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	1,90,60,823	67·6
			(b) Minor forest produce	36,24,341	12·8
			(c) Forest stamps and Commutation fees for forest produce	98,282	0·4
			(d) Grazing	30,31,699	10·8
			(e) Revenue from forests not managed by Government	1,26,084	0·5
			(f) Miscellaneous	23,26,932	7·9
			Total Revenue	2,81,68,161	—
Expenditure	A Recurring	(a) Administration.	(i) Superior Staff	1,17,63,691	59·3
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	51,58,889	26·0
			(2) Roads and Buildings	10,19,030	5·1
			(3) Fire protection	2,28,859	1·2
			(4) Cultural operations	5,12,960	2·6
			(5) Live-stock, stores and plant	3,41,317	1·7
			(6) Working-Plans	41,870	0·2
			(7) Rent for leased forests	2,17,983	1·1
			(8) Miscellaneous	3,85,856	1·9
		(c) Expenditure on realization of revenue from forests not managed by Government.		11,616	0·1
		(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).*		1,56,929	0·8
		Total		1,98,39,000	—
	B Extraordinary	(e) Forest Settlement		15,648	0·7
		(f) Forest Survey		300	0·01
		(g) Forest Demarcation		29,424	1·5
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		7,94,982	37·9
		(i) Share of Capital charges transferred to 8-A		12,52,813	59·8
		Total		20,93,167	—
		GRAND TOTAL OF EXPENDITURE		2,19,32,167	—
		Net Revenue		62,35,994	—

(Excluding Burma and Federated Shan States.)

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the financial year 1932-33.

(Burma and Federated Shan States only.)

				Rs.	Percentage of each item to total.
Gross Receipts			(*a*) Wood	80,65,103	87·3
			(*b*) Minor forest produce	4,66,951	5·0
			(*c*) Grazing	17,942	0·2
			(*d*) Revenue from forests not managed by Government	1,48,073	1·6
			(*e*) Miscellaneous	5,44,790	5·9
			Total Revenue	92,42,859	...
Expenditure	A Recurring	(*a*) Administration	(*i*) Superior Staff	46,23,791	70·7
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		
			(*iii*) Office Establishments (including Contingencies).		
		(*b*) Working	(1) Extraction	1,96,031	3·0
			(2) Roads and Buildings	2,33,245	3·6
			(3) Fire protection	27,703	0·4
			(4) Live-stock, stores and plant	1,62,285	2·5
			(5) Working Plans, revision and maintenance.	...	...
			(6) Maintenance of boundaries	18,078	0·2
			(7) Regeneration and improvement	1,36,804	2·1
			(8) Silvicultural Research	2,765	...
			(9) Utilisation Research	...	...
			(10) Other Works	34,211	0·5
			(11) Miscellaneous	2,22,710	3·4
			(12) Losses of Government commercial undertakings.	8,89,963	13·6
			Total	65,42,586	...
	B Extraordinary		(*c*) Forest Survey	1,678	0·5
			(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.	3,00,065	93·3
			(*e*) Share of capital charges transferred to 8-A	20,056	6·2
			Total	3,21,799	...
			GRAND TOTAL OF EXPENDITURE	68,64,385	...
			Net Revenue	23,78,474	...

(Burma and Federated Shan States only.)

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	2,18,587	5,55,318	12,36,995	11,95,036	5,363	1,94,759
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	11,73,317	37,02,890	3,99,081	73,54,960	5,81,493	12,69,581
III.—Drift and waif wood and confiscated forest produce.	...	12,687	3,263	47,108	1,92,663	247	18,697
IV.—Revenue from forests not managed by Government.	...	...	26,497	2,390	1,48,073	...	34,195
V.—Miscellaneous	...	1,21,786	3,07,616	2,69,342	3,52,127	37,337	99,173
Deduct—Refunds	...	—14,660	...	—2,916	...	—5,587	...
TOTAL REVENUE .	...	15,11,717	45,95,584	19,52,000	92,42,859	6,18,853	16,16,405
EXPENDITURE.							
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	1,17,995	3,33,269	4,20,396	50,071	2,751	1,05,305
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,82,840	1,36,558	2,134	1,05,892	19,809	2,07,268
III.—Drift and waif wood and confiscated forest produce.	...	...	519	12,173	40,068	28	692
IV.—Revenue from forests not managed by Government.	...	...	11,616	...	835	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	6,417	1,10,880	...	...	14,393
VI.—Live-stock, stores, tools and plant . .	...	...	49,337	5,503	1,62,285	2,925	21,912
VII.—Communications and buildings . .	...	1,28,711	1,98,064	50,132	2,33,245	67,978	74,669
VIII.—Demarcation, improvements and extension of forests.	...	99,686	2,33,286	90,927	2,14,561	25,485	36,407
IX.—Miscellaneous	...	18,926	7,910	—24,022	11,11,838	10,720	37,294
Work Advances	...	—41	...	...	...	...	...
Total A.—Conservancy, Maintenance and Regeneration.	...	5,48,117	9,76,976	6,68,123	19,18,795	1,29,696	4,97,940
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	45,019	8,35,402	15,45,202 (a)	9,76,728	46,23,791	4,39,688	7,88,085
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	64,291	75,085 (b)	1,66,212	3,00,065	47,210	79,610
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	60,803	6,716	3,98,077	21,734	15,199	44,582
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	...	...	...	9,151
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	45,019	15,08,613	26,03,979	22,09,140	68,64,385	6,31,793	14,10,217
SURPLUS . (Excluding expenditure under E.)	...	3,104	19,91,605	...	23,78,474	...	2,06,188
DEFICIT .	45,019	...	...	2,57,140	...	12,940	...
Proportion of surplus to gross revenue . .	...	0·2	43	...	25	...	13
Net revenue per square mile of forest area under control of Forest Department.	...	0·3	379	...	14	...	10

(*a*) Includes figures of General Direction Division.

(*b*) In U. P. this item is not taken into account in calculating the surplus of the Department.

MENT XVIII.

Forest Department in India for the financial year 1932-33.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
13,51,492	2,66,958	6,07,672	42,339	4,220	15,71,609	...	19,66,774	19,32,342	1,11,49,464
26,91,359	34,671	99,572	38,976	6,526	4,884	...	23,58,982	36,30,647	2,33,47,139
1,478	...	7,652	...	8	...	...	8,602	3,039	2,95,444
3,375	12,140	6,988	...	8,875	...	...	...	25,405	2,67,938
2,42,464	23,554	18,774	9,110	5,986	45,800	58,960	4,34,441	3,99,853	24,26,323
...	...	—948	...	...	—164	...	—30,630	—20,383	—75,288
42,90,168	3,73,323	7,39,710	90,425	25,615	16,22,129	58,960	47,88,169	59,71,103	3,74,11,020
5,30,034	44,989	3,30,122	24,391	1,346	10,16,440	...	4,37,624	8,70,985	42,85,718
1,65,112	...	1,260	503	299	660	...	1,75,483	57,855	10,55,673
110	...	7,670	...	...	...	...	...	...	61,260
...	...	...	...	...	...	...	...	...	13,451
28,784	...	19,679	...	...	...	...	...	36,565	2,16,718
22,915	10,022	23,675	407	99	61,511	...	103,117	5,523	4,69,231
1,73,484	7,900	33,104	8,673	469	2,998	...	1,61,167	1,23,062	12,63,653
1,43,348	29,388	15,262	2,088	1,153	12,459	...	1,29,034	1,11,225	11,44,309
38,332	1,361	2,829	6,529	343	3,345	...	31,890	45,984	12,98,284
...	...	—186	...	...	...	...	...	...	—227
11,02,119	93,660	4,33,415	42,591	3,714	10,97,413	...	10,38,315	12,51,199	98,02,073
19,30,953	97,174	1,81,478	31,475	28,655	1,70,392	5,99,458	27,76,253	21,37,435	1,72,07,191
2,15,272	...	22,382	900	...	...	...	...	1,24,182	10,95,200
23,953	8,264	—18,483	187	...	42,958	3,120	6,43,441	1,10,390	13,60,941
12,065	...	...	87	...	...	...	—6,68,862	...	(c)—6,47,559
32,72,297	1,99,098	6,18,792	75,153	32,369	13,10,763	6,02,578	37,89,150	36,23,206	2,87,96,552
10,17,871	1,38,225	1,20,918	15,272	...	3,11,366	...	9,49,019	23,47,897	86,14,468
...	...	...	...	6,754	...	5,43,618	...	...	...
24	41	16	17	...	19	...	20	39	23
57	163	345	108	...	142	...	59	187	33

(c) Not included in grand total of Expenditure.

STATE

Revenue of the Forest Department throughout India for the 34 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . . .	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal* . . .	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces .	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab . . .	6,67,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma . . .	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam† . . .	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg . . .	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer . . .	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan . .	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans . .	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras . . .	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay . . .	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL .	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . . .	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529
United Provinces . .	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533 (a)	37,27,312 (a)
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399	1,96,77,824
Bihar and Orissa .	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	10,70,268
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756
Central Provinces and Berar .	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030
North-West Frontier Province .	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062
Baluchistan . . .	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579
Forest Surveys (Imperial) .	...	...	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964
GRAND TOTAL .	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1932-33 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,115	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,820	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1925-26.	1926-27	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	Imperial.
28,56,420	31,23,841	33,49,480	31,18,357	30,52,078	23,12,049	16,94,479	15,11,717	Bengal.
64,26,281	58,71,303	72,01,183	61,80,391	61,79,638	49,76,118	45,28,923	45,95,584	United Provinces.
41,12,076	39,07,731	31,91,217	35,28,025	31,57,771	23,84,898	22,44,209	19,52,000	Punjab.
2,23,46,518 (a)	2,35,94,060 (a)	2,24,07,668 (a) (b)	1,81,00,143 (a)	2,03,66,104 (a)	1,56,68,850 (a)	1,13,96,019 (a)	92,42,859 (a)	Burma.
10,28,592	9,43,752	9,38,760	10,97,161	9,39,275	8,11,407	6,28,013	6,18,853	Bihar and Orissa.
30,39,140	31,33,473	36,13,460	37,67,873	35,20,008	22,63,077	19,27,078	16,16,405	Assam.
49,87,409	53,21,376	50,78,160	54,46,316	59,97,508	51,11,894	44,47,111	42,90,168	Central Provinces and Berar.
5,38,518	4,58,145	4,93,372	5,25,636	5,72,031	3,09,073	4,85,821	3,37,323	Coorg.
7,44,207	7,91,166	7,56,700	8,29,377	8,64,377	8,03,902	7,31,285	7,39,710	North-West Frontier Province.
72,759	66,934	76,515	87,924	93,803	95,278	87,587	90,425	Ajmer.
23,621	27,942	29,867	23,425	29,300	29,277	27,976	25,615	Baluchistan.
8,91,029	11,70,863	14,18,062	15,00,706	20,06,813	19,37,596	14,51,468	16,22,129	Andamans.
1,05,697	2,74,025	1,16,167	1,06,001	1,03,866	90,605	29,092	58,960	Forest College and Research Institute.
...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
51,70,520	56,23,700	53,44,431	61,54,773	64,64,825	52,69,087	42,54,874	47,38,169	Madras.
75,28,038	76,56,420	72,94,094	73,43,035	79,74,964	52,23,753	56,73,847	59,71,103	Bombay.
5,98,70,825	6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	4,72,56,859	3,96,07,777	3,74,11,020	GRAND TOTAL.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

STATE

Expenditure of the Forest Department throughout India for the 34 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial* . .	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal† . . .	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces .	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab . . .	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma . . .	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡ . . .	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,784	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg . . .	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer . . .	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan . .	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans . .	739	481	5,129	41,108	1,76,189	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	33,935	28,229
Madras . . .	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay . . .	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL .	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,323	1,10,638	1,32,777	1,08,993	2,57,011	4,33,494	1,44,489	1,68,595
Bengal	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471
United Provinces . . .	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	(a) 1,03,92,159	(a) 96,28,313
Bihar and Orissa . . .	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853
Central Provinces and Berar .	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751
North-West Frontier Province .	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,88,713
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365
Forest Surveys (Imperial) . .	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459
Bombay	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317
GRAND TOTAL .	2,11,57,063	2,38,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*contd.*

from 1899-1900 to 1932-33 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,306	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972*	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,933	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,23,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,186	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,68,191	1,96,174	2,19,188	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,188	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,888	GRAND TOTAL.

1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,18,903	1,23,858	61,661	59,361	61,498	(b) 1,93,252	59,082	45,019	Imperial.*
12,60,968	17,34,761	17,02,453	16,82,191	16,65,180	15,95,129	16,61,044	15,08,613	Bengal.
36,95,346	33,73,499	39,93,803	32,43,716	33,88,710	32,78,623	26,44,164	26,03,979	United Provinces.
27,01,510	27,03,386	29,54,874	24,93,319	29,69,197	28,01,464	21,04,402	22,09,140	Punjab.
(a) 86,87,943	(a) 89,40,884	(a) 88,37,858	(a) 84,24,771	(a) 78,08,595	(a) 75,61,238	(a) 66,52,310	(a) 68,64,385	Burma.
6,65,624	10,83,069	6,63,374	8,50,373	9,02,662	7,34,695	7,63,257	6,31,793	Bihar and Orissa.
15,67,983	14,47,506	14,45,767	21,22,366	22,20,302	21,16,589	16,11,208	14,10,217	Assam.
33,45,729	36,48,691	34,99,468	36,49,259	39,75,653	39,60,817	34,53,164	32,72 297	Central Provinces and Berar.
3,05,395	2,84,770	2,50,186	2,65,133	3,11,454	2,97,350	2,28,515	1,99,098	Coorg.
5,47,321	6,40,719	6,91,414	8,34,935	8,40,218	8,13,708	7,53,898	6,18,792	North-West Frontier Province.
55,161	79,728	82,854	76,355	81,200	83,821	87,684	75,153	Ajmer.
31,358	32,422	34,019	36,878	37,651	41,725	34,686	32,369	Baluchistan.
11,35,063	12,20,097	14,50,684	13,28,927	16,47,454	17,27,018	12,31,667	13,10,763	Andamans.
8,14,033	8,96,566	9,35,364	9,41,737	9,31,834	9,69,467	7,33,174	6,02,578	Forest College and Research Institute.
...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
48,23,239	50,36,844	47,69,594	45,59,503	46,18,627	43,73,321	39,89,887	37,89,150	Madras.
42,07,626	43,59,516	43,11,781	44,92,445	46,75,278	43,51,586	40,66,782	36,23,206	Bombay.
3,39,63,202	3,56,06,316	3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	3,00,74,924	2,87,96,552	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 34 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,93,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,130	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495
Bengal	6,38,257	11,18,269	10,76,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498 (a)	11,12,824 (a)
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240	1,00,49,511
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	11,47,903
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279
North-West Frontier Province	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,852	—4,28,093
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,88,493	7,81,731	
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1932-33 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78 702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,523	3,36,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,31,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,446	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,53,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs. (b)	Rs.	Rs.	
—1,18,903	—1,23,858	—61,661	—59,361	—61 498	—1,03,252	—59,082	—45,019	Imperial.*
15,95,452	13,89,080	16,47,027	14,36,166	13,86,898	7,16,920	33,435	3,104	Bengal.
27,30,935	24,97,804	32,07,880	29,36,675	27,90,928	16,97,495	18,84,759	19,91,605	United Provinces.
14,10,566 (a)	12,04,345 (a)	2,36,343 (a)	10,84,706 (a)	1,88,574 (a)	—4,16,566 (a)	1,39,807 (a)	—2,57,140 (a)	Punjab.
1,36,58,575	1,46,53,176	1,35,69,810	96,75,372	1,25,57,509	81,07,612	47,43,709	23,78,474	Burma.
3,62,968	—1,39,317	2,75,386	2,46,788	36,613	76,712	—1,35,244	—12,940	Bihar and Orissa.
14,71,157	16,85,967	21,67,693	16,45,507	12,99,706	1,46,498	3,15,870	2,06,188	Assam.
16,41,680	16,72,635	15,78,692	17,97,057	20,21,855	11,51,077	9,93,947	10,17,871	Central Provinces and Berar.
2,83,123	1,73,375	2,43,186	2,60,503	2,60,577	11,723	2,57,306	1,38,225	Coorg.
1,96,886	1,50,447	65,286	—5,558	24,159	—9,806	—22,613	1,20,918	North-West Frontier Province.
17,598	—12,794	—6,339	11,569	12,603	11,452	—97	15,272	Ajmer.
—7,737	—4,480	—4,152	—13,453	—8,351	—12,448	—6,710	—6,754	Baluchistan.
—2,44,034	—49,234	—32,622	1,71,779	3,59,359	2,10,578	2,19,796	3,11,366	Andamans.
—7,08,336	—6,22,541	—8,19,197	—8,35,736	—8,27,968	—8,78,862	—7,04,082	—5,43,618	Forest College and Research Institute.
...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
3,47,281	5,86,856	5,74,837	15,95,270	16,46.198	5,89,766	2,64,987	9,49,019	Madras.
33,20,412	32,96,904	29,82,313	28,50,590	32,99,686	8,72,167	16,07,065	23,47,897	Bombay.
2,59,07,623	2,63,58,415	2,56,24,482	2,27,47,874	2,49,86,848	1,20,81,056	95,32,853	86,14,468	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

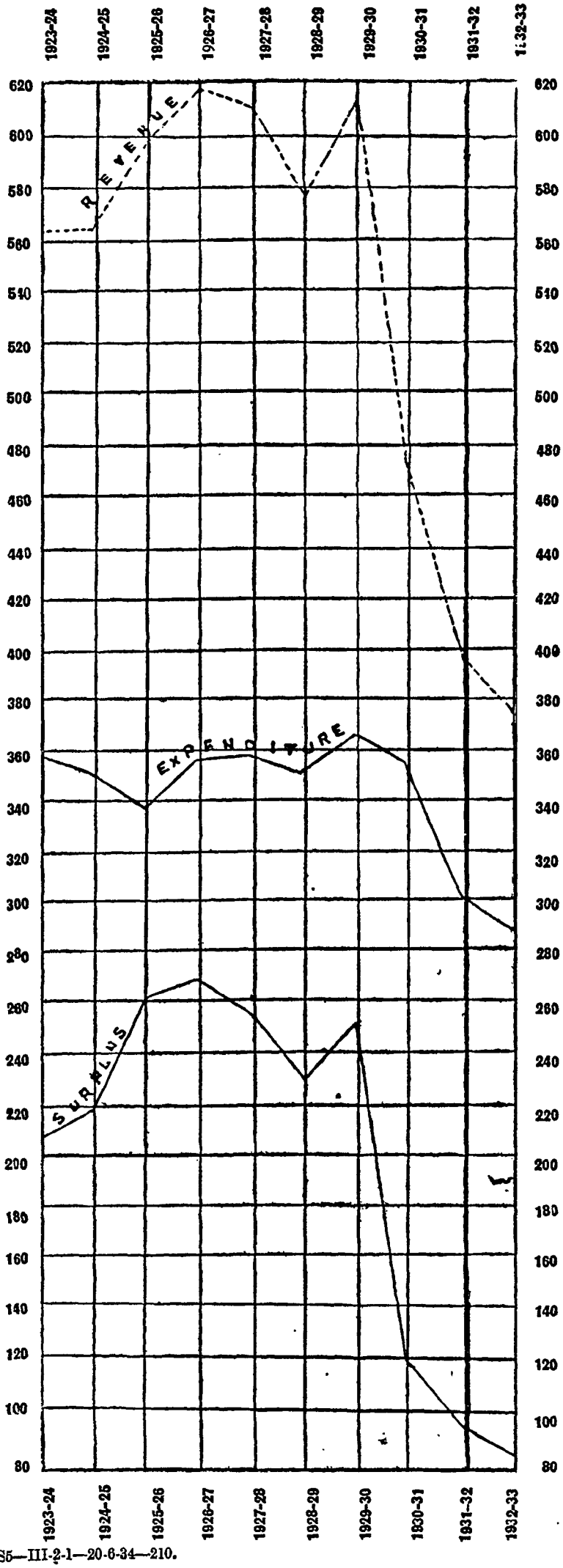
STATEMENT No. XX.

Forest Area by ownership (in square miles).

Province.	Type of Forests.	The State.			Corporate Bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forest.	Total.				
1	2	3	4	5	6	7	8	9
Bengal	Merchantable	6,984	31	7,015	...	1,654 (a)	8,669	
	Unprofitable or inaccessible	21	3,445	3,466	...	...	3,466	
United Provinces	Merchantable	3,491	700	4,191	21	1,200	5,412	
	Unprofitable or inaccessible	...	10,084	10,084	...	1,876	11,960	
Punjab	Merchantable	860	231	1,091	132	...	1,223	
	Unprofitable or inaccessible	1,158	3,029	4,187	666	...	4,853	
Burma	Merchantable	21,907	51,662	73,569	...	...	73,569	
	Unprofitable or inaccessible	6,989	41,707	48,696	...	...	48,696	
Federated Shan States	Merchantable	2,433	5,784	8,217	...	...	8,217 (b)	
	Unprofitable or inaccessible	715	52,084	52,799	...	...	52,799	
Bihar and Orissa	Merchantable	902	2,118 (c)	3,020	...	33,286	36,306	
	Unprofitable or inaccessible	...	679	679	...	...	679	
Assam	Merchantable	3,282	...	3,282	52	317	3,651	
	Unprofitable or inaccessible	2,869	15,646	18,515	...	...	18,515	
Central Provinces	Merchantable	12,221	8,177 (d)	20,398	...	16,229	36,627	
	Unprofitable or inaccessible	...	2,688 (d)	2,688	...	9,264	11,952	
Coorg	Merchantable	372	191	563	...	199	762	
	Unprofitable or inaccessible	123	139	262	...	146	408	
North-West Frontier Province.	Merchantable	180	175	355	...	35	390	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Ajmer	Merchantable	100	...	100	...	...	100	
	Unprofitable or inaccessible	42	...	42	...	...	42	
Baluchistan	Merchantable	...	...	...	...	...	...	
	Unprofitable or inaccessible	...	788	788	...	...	788	
Andamans	Merchantable	2,189	...	2,189	...	...	2,189	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Madras	Merchantable	4,171	6,896	11,067	...	5,482	16,549 } (e)	
	Unprofitable or inaccessible	2,338	5,588	7,926	...	14,389	22,315 }	
Bombay	Merchantable	8,303	1,103	9,406	...	165	9,571	
	Unprofitable or inaccessible	...	5,463	5,463	...	...	5,463	
TOTAL	Merchantable	67,395	77,068	144,463	205	59,567	203,235	
	Unprofitable or inaccessible	14,255	141,340	155,595	666	25,675	181,936	
	GRAND TOTAL	81,650	218,408	300,058	871	84,242	385,171	
	Percentage of total Forest Area	21·2	56·7	77·9	0·2	21·9	—	

(a) Includes 102 square miles managed by Government.
(b) Includes 22,202 square miles without forest growth.
(c) Includes 677 square miles under Civil Department.
(d) Includes 2,485 and 1,169 square miles of Ryotwari Forests respectively.
(e) Includes Panchayat forests.

DIAGRAM SHOWING
ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.
For the 10 years 1923-24 to 1932-33.



MGIPC—S5—III-2-1—20-6-34—210.

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Annual Return of Statistics relating to Forest Administration in British India for the year 1933-34

(With which is incorporated the Quinquennial Review, ending 31st March 1934)

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Corrigenda.

Annual Return of Statistics relating to Forest Administration in British India for the year 1932-33, Statement XII, page 16, columns 2, 3 and 5.

Against Assam *read* 652; 2,259 and 2,911 *for* 806; 13,899 and 14,705, respectively.

Against Total 1932-33 *read* 138,868; 21,761 and 163,154 *for* 139,022; 33,401 and 174,948, respectively.

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QUINQUENNIAL REVIEW.

Constitution of the Forests.

The following review of Forest Administration in British India during the five years ending 31st March 1934 is published for general information.

Forest Area.—At the close of the quinquennium under review the forest area in British India, including the Shan States, amounted to 282,664 square miles, of which 106,079 square miles are reserved, 7,003 square miles protected, and 169,582 square miles unclassed State forests, the whole representing 25·7 per cent. of the total area of British India (with the Shan States) or taking into account only reserved and protected forests 10·3 per cent.

The net increase over the previous quinquennium is 32,842 square miles which is mainly due to the transfer of a large area of unclassed forest in the Federated Shan States to the Forest department.

Other important changes are:—

Increase.—1,041 square miles in Assam due to addition of Sadiya Frontier tract and recalculation of areas; 105 square miles in the North-West Frontier Province by transfer from the Civil department; 104 square miles in Bengal, 397 square miles in Burma and 337 square miles in Coorg due to bringing certain areas under the control of the Forest department.

Decrease.—148 square miles in the Punjab disforested for colonisation purposes; 211 square miles in the Central Provinces and 61 square miles in Bihar and Orissa were given out mainly for cultivation. A net decrease of 2,984 square miles in Madras was due to the transfer of areas to be constituted as Ryots' forests under the control of the Revenue department.

2. *Forest Surveys.*—The area surveyed by the Survey of India amounted to 4791·8 square miles, and 798 sheets were published. The cost debited to the Forest department on account of mapping and publishing and the cost of special surveys, etc., amounted to Rs. 5,11,818 as compared with a sum of Rs. 11,47,660 during the previous period.

Organisation.

3. *Administration and Control.*—The appointment of Inspector General of Forests and President, Forest Research Institute and College, was held by Sir Alexander Rodger till the 13th August 1930 when he proceeded on leave preparatory to retirement. He was succeeded by Mr. A. D. Blascheck who held the post till the 9th November 1933 before proceeding on leave preparatory to retirement. Mr. C. G. Trevor took over charge from Mr. A. D. Blascheck on the afternoon of the 9th November 1933.

During the period under review the Inspector General of Forests made tours of inspection in Assam, Bengal, Burma, Bihar and Orissa, Coorg, Madras, and the Andamans.

A post of a Conservator of Forests was created in 1930 in the North-West Frontier Province and forest operations were extended to the whole province including the Agencies. In April 1932 when the North-West Frontier Province was declared to be a Governor's province 'Forests' became a "Transferred Subject" and were placed under the control of a Minister.

During the whole of the period under review "Forests" were a transferred subject in the provinces of Burma and Bombay.

In consequence of the severe trade depression and the slump in all commodities including timber which has swept over the whole world, all possible reduction in expenditure had to receive the earnest consideration of the department. In addition to the emergency cut in the salaries of the staff considerable reduction was made in the cadre. In Bengal one post of Conservator was held in abeyance. Three vacant posts in the Indian Forest Service in the United Provinces, one post of Conservator and eight posts in the Indian Forest Service

in the Punjab have been abolished. The Indian Forest Service cadre of Bihar and Orissa has been reduced from seventeen to fifteen: the actual strength being 16. In Assam the cadre of the Indian Forest Service has been reduced from seventeen to sixteen. One of the two posts of Conservator and the posts of Silviculturist and Working Plan Officer were kept in abeyance. The Indian Forest Service cadre of the Central Provinces has been reduced from thirty-two to twenty-nine.

In view of the impending constitutional changes the Madras Government have decided to have a unified forest service combining the Indian Forest Service and Madras Forest Service with a strength of eighty-four posts as against one hundred at the commencement of the quinquennium. In Burma Conservators' circles were reduced from nine to six and the combined Indian Forest Service and Burma Forest Service Class I cadre reduced from one hundred and nineteen to eighty-four. In Bombay the gazetted services of the Forest department were provincialised with effect from 1st October 1929. The service is designated the Bombay Forest Service and has been divided into classes I and II. There are at present 49 officers in the cadre (as against the original strength of 70), *i.e.*, twenty-three Indian Forest Service, eight Class I officers and eighteen Class II officers.

Recruitment and Training.

4(*a*). *Indian Forest Service.*—Pending a discussion on the recommendation of the Services Sub-Committee of the Round Table Conference, 1930, recruitment to the Indian Forest Service both direct and by promotion was suspended in 1931.

The Indian Forest Service College which was opened in 1926 trained twenty-eight students in all as follows :—

1926-28	. . . . .	11 students.
1927-29	. . . . .	6 „
1928-30	. . . . .	5 „
1929-31	. . . . .	4 „
1930-32	. . . . .	2 „

The College had to be closed down in November 1932 as the number of students gradually decreased and sufficient support for its continuance was not forthcoming from the Provinces.

In their report the Joint Parliamentary Committee have recommended the maintenance of a common training centre for Forest officers and if the Indian Provinces unanimously demand such a training the re-opening of the College may be considered.

The recruitment made to the Indian Forest Service in provinces other than Bombay and Burma during the 5 years period under review compares as follows with the preceding quinquennium ending 31st March 1929 :—

—	During the 5-year period.	
	1924-25 to 1928-29.	1929-30 to 1933-34.
Europeans	5	5
Indians	32	16

It was in 1924 that the ratio of recruitment of Indians and Europeans to the Indian Forest Service was fixed at 75 per cent. and 25 per cent. respectively. The number of Indians and Europeans who were appointed to Indian Forest Service after 1924 in the provinces other than Bombay and Burma and are still in service is Indians 47 and Europeans 10. This shows a deficiency of 4 in the European quota and is due partly to the fact that recruitment to the Indian Forest Service was suspended in 1931 and partly to casualties among the appointed staff.

The proportion of promoted officers to those appointed direct during the preceding quinquennium was 24·4 per cent., whereas the proportion in the quinquennium under review has been 20·8 per cent. of the total recruitment.

The total number of officers in the Indian Forest Service in March 1934 was as follows :—

(1) Europeans	189
(2) Indians	92
(3) Burmese	1

(*b*) *Provincial Forest Service.*—Except in Assam and Burma there has been no direct recruitment to the Provincial Forest Service during the period but each province made its own arrangements for recruiting the Provincial Forest Service by promoting suitable officers from the subordinate service.

(*c*) *Training of Rangers.*—As a temporary measure the Forest College at Dehra Dun for the training of forest rangers was closed down in October 1933 as sufficient number of students were not forthcoming. The College, however, has re-opened on the 1st of April 1935 with 27 students.

The number of students who obtained certificates during the period were as follows :—

1930	23
1931	18
1932	19
1933	9

Ranger students for Madras, Bihar and Orissa, the Central Provinces and parts of Southern India continued to be trained at the Forest College at Coimbatore.

5. *Forest Engineering Service.*—Fifteen officers in 1921 and three in 1922 were appointed to this service. Fourteen posts in the cadre of Burma, the United Provinces, Bihar and Orissa, Assam and Bengal have been abolished. This service is gradually dwindling and there are now only four posts in existence; one each in Bombay and Madras and two in the Punjab, one of the latter will be abolished as soon as the officer holding it is transferred to the Indian Service of Engineers.

Conservation and Improvement.

6. *Fire Protection.*—The area over which special fire protection was attempted shows an increase of 4,520 square miles or 10·7 per cent. in 1933-34 as compared with the figures for 1928-29. The percentage of forest protected during the five years under report was 41·5 per cent. on the average as against 40 per cent. in the previous quinquennium and the percentage of failure to area attempted has varied *e.g.*, 6·5 per cent. in 1931-32 to 4·2 per cent. in 1932-33 and 4·6 per cent. in 1933-34.

7. *Grazing.*—During the year 1933-34 over 12,079,000 animals were provided with grazing in State forests of all classes and out of this 4,707,610 grazed free. The figures for 1928-29 were over 14,170,000 (4,889,000 grazed free) and for 1923-24 they were 13,300,000 (4,800,000 grazed free).

The economic depression is mainly responsible for the decrease in the number of cattle that grazed on payment of fees, except that in Bombay the decrease was partly due to admitting calves under eighteen months free of charge. The excessive number of cattle of poor breed admitted to the forests and consequent overgrazing in thickly populated areas still remains a conspicuous feature in the grazing system of this country with the result that both denudation and the resulting erosion are all too common phenomena of the outer hills of the Himalaya and the hilly regions of the Peninsula. It is a fact far too little known that India has suffered immense losses from this evil during the past century.

8. *Afforestation.*—The work of afforestation was seriously hampered owing to financial stringency.

In the United Provinces neither the Government nor the Zemindars were able to do much for want of funds. Considerable attention was given to Canal side plantations in co-operation with the Irrigation department.

No afforestation work was done in the Pabbi Hills for want of funds. As a result of the recommendations of the Erosion Committee the Punjab Government appointed a special officer to experiment in *Cho* training and reclamation work in Hoshiarpur and Ambala districts.

To stabilise shifting sand, some work was done in Madras where *Casuarina* plantations have been raised along the sea coast in Godaveri Lower and Nellore, and Palmyra plantations have been raised in the Kudiramoliteri forests of Tinnevelly.

9. *Plantations.*—The expenditure on plantations including tending averaged 9 lakhs per annum during the period under review.

The area under plantations in the Punjab rose from 19,894 acres in the previous quinquennium to 30,292 acres in the period under review.

In Assam particular attention has been given to the raising of soft woods used in the manufacture of matches and packing cases.

In the United Provinces artificial regeneration by *taungya* is becoming increasingly important and large areas are being stocked with more important species after clearfelling.

In the Andamans regeneration of deciduous forests by natural means has replaced the artificial methods of raising plantations.

The Government of India appointed a Committee consisting of the Inspector General of Forests, Chief Conservator of Forests, Bombay, and an expert Forest Officer from the Punjab to inspect the proposed areas for irrigated plantation in Sind. The Committee visited the locality in January 1935 and recommended 6,500 acres for conversion into irrigated plantations.

10. *Communications and Buildings.*—The expenditure under this head in the year 1928-29 was 37 lakhs and rose to above 75 lakhs in 1929-30, the opening year of the present quinquennium. Owing to the severe trade depression and the need for economy the expenditure under this head gradually fell away to 14 lakhs as work was confined to the barest minimum for the upkeep of roads and the repairs of buildings. All expenditure on new work was strictly limited to what was absolutely necessary for revenue purposes.

Exploitation and Commercial development.

11. *Outturn of Forest Produce.*—The average annual outturn of timber and fuel from all sources during the 5-year period under review was 322,000,000 cubic feet against an average of 347,800,000 cubic feet in the previous quinquennium. The decrease is due to the trade depression and economic causes. The outturn in the year 1929-30 was 350,200,000 cubic feet and this fell to 305,900,000 cubic feet in 1931-32 but rose again to 317,300,000 cubic feet in 1933-34 indicating a gradual improvement in the timber trade.

The trade in bamboos also suffered from the depression. The average value on this account was 19 lakhs in the previous quinquennium as compared with the average of 16 lakhs in the period under review. The value, however, was Rs. 18 lakhs and 14 lakhs in the years 1929-30 and 1933-34, the first and the last years of the present quinquennium respectively.

There was also a decrease in the value of grazing and extraction of fodder due to the general depression. The position in 1933-34 showed a definite improvement over the figures for 1931-32 and 1932-33.

The demand for other minor forest products was also poor during the quinquennium, the value being Rs. 33 lakhs in 1933-34 as compared with 60 lakhs in 1929-30. The figures for 1933-34 were, however, an improvement over 1932-33.

12. *Exploitation*,—In Madras mechanical exploitation of the evergreen forests of the West Coast, the portable saw mills and the seasoning plant established during the previous quinquennium for the fuller utilisation of the timbers hitherto unknown were found unremunerative and had to be closed down. Experience has shown that mechanical exploitation is not to be compared with indigenous methods which rely upon elephant power, floating and carting.

In the Andamans where extraction in the interior of the island with animal power was considered impossible mechanical extraction under the supervision of a logging engineer was sanctioned as a trial. After logging 1 square mile the skidder was found to be unprofitable and its use discontinued.

During the period under review departmental exploitation was considerably restricted and the sale of standing trees to contractors was more generally adopted as the most suitable method of disposing of forest produce.

In Assam the manufacture of tea boxes of plywood was continued by the mills. Considerable quantities of softwoods were exported for the manufacture of matches and packing cases.

In Burma more than one million teak trees were girdled during the 5-year period.

In Bombay the extraction of timber by Fordson skidding outfits was continued. Six saw mills worked during the period; 3 of them were closed for want of work and a new one was erected. All the mills shew good profits.

The Allapilli saw mill in the Central Provinces was reconstructed. The result has been an increase in the outturn of about 15,000 cubic feet per annum.

Agencies for the sale of timber.

13. The only agents with which the Government of India dealt were Messrs. Martin and Co. of Calcutta, who have been working as their agents for the sale of Andamans timber in the Calcutta market since 1st November 1918. On the expiry of the agency contract with the firm on the 31st March 1934 the agreement was renewed for another two years.

The appointment of Timber Adviser to the High Commissioner for India in connection with the trade in the Andamans and other Indian timbers in the London market was created in 1927 for one year and has since been extended from time to time. The present extension expires on the 31st March 1936.

The following figures compare the sale of timber from the Andamans during the present and the previous quinquennia:—

	Logs.	Squares.	Scantlings.	Total.
	Tons.	Tons.	Tons.	Tons.
Present quinquennium .	85,660	10,840	39,891	136,391
Previous quinquennium .	21,037	16,444	39,279	76,760

The increase under logs was due to purchases by the local match factory; the decrease under squares was chiefly due to the financial depression during which the Indian railways have curtailed purchases. The position of the trade in scantlings was satisfactory except for the prices which were seriously affected by the depression. Considerable competition has developed in the soft wood trade owing to the import of timbers from Japan at very low prices.

Forest Management.

14. *Working Plans*.—The percentage of the total forest area in British India which is now under working plans has risen from 57 per cent. in 1929-30, the beginning of the quinquennium, to 63·4 per cent. in 1933-34. The area

under working plans in 1928-29, the last year of the previous quinquennium, was 73,000 square miles against 83,000 square miles at the close of the present review. The principal additions were:—Burma 6,000 square miles; Assam 1,300 square miles and Madras 2,600 square miles.

15. *Panchayat and Forest Village Systems.*—At the end of the present 5-year period under review the total area under Panchayat management in Madras was 3,270 square miles as against 3,400 square miles in March 1929, the decrease being due to the inability of the people to form panchayats. It is as yet premature to say that management by Panchayat is satisfactory.

In Assam the policy of forming village forests was abandoned and those created were cancelled.

In the United Provinces there are now 20,000 acres of Panchayat forests, a considerable portion of which consists of plantations made by the villagers themselves at their own expense. The Kumaun Panchayat forest movement was initiated by the Forest department but is controlled by the Revenue department.

Financial Results.

16. The following statement shows the growth of forests revenue and expenditure during the past 70 years—the figures in all cases being the annual averages of the quinquennial periods:—

Quinquennial period.	Gross revenue (Average per annum).	Expenditure (Average per annum).	Surplus (Average per annum).	Percentage of surplus to gross revenue.
	Lakhs.	Lakhs.	Lakhs.	
1864-65 to 1868-69	37·4	23·8	13·6	36·4
1869-70 to 1873-74	56·3	39·3	17·0	30·2
1874-75 to 1878-79	66·6	45·8	20·8	31·2
1879-80 to 1883-84	88·2	56·1	32·1	36·4
1884-85 to 1888-89	116·7	74·3	42·4	36·3
1889-90 to 1893-94	159·5	86·0	73·5	46·1
1894-95 to 1898-99	177·2	98·0	79·2	44·7
1899-00 to 1903-04	196·6	112·7	83·9	42·7
1904-05 to 1908-09	257·0	141·0	116·0	45·1
1909-10 to 1913-14	296·0	163·7	132·3	44·7
1914-15 to 1918-19	371·3	211·1	160·0	43·0
1919-20 to 1923-24	551·7	367·1	184·6	33·5
1924-25 to 1928-29	595·4	351·1	244·2	40·9
1929-30 to 1933-34	441·5	316·1	125·4	28·4

The continued fall in prices has further reduced the surplus, which stands somewhere about the prewar figures. If it is stabilised at this figure in the following quinquennium it will only indicate that we are returning towards more normal conditions.

The revenue of Burma (including Federated Shan States) alone has dropped from 2 crores in 1929-30 to 88 lakhs in 1933-34. In addition to the economic depression, this decrease may partly be attributed to the increased use of substitutes in place of hardwoods.

With the fall in revenue, the Forest department had also to curtail expenditure and is effecting all possible measures for economy. The policy of selling standing trees has been resorted to on a large scale and departmental operations restricted to the minimum ; cadres have also been reduced considerably in most provinces.

Research.

17. *General.*—Research work which in the previous 5-year review was reported to be making great progress could not escape the effects of the world wide trade depression and the consequent financial difficulties of the Central and Provincial Governments. The work of the Forest Research Institute had to be curtailed and the staff reduced. In spite of this it has been possible to continue silvicultural research work both at Dehra and in the provinces. In other branches much useful work has been done which is dealt with more fully in the succeeding paragraphs.

A list of the publications issued by the Forest Research Institute during the 5-year period under review is given at the end of this report.

18. *Silviculture.*—The difficult financial position during most of the 5-year period resulted in a general curtailment of silvicultural work particularly as regards the relatively expensive departmental plantations and tending operations. Research work, however, was vigorously prosecuted in nearly all provinces, and despite the hampering effect of rigid economy, marked progress can be recorded in several directions.

Attention continued to be given to the regeneration both natural and artificial of tropical evergreen forests, valuable results being reported from Bengal, Assam and the Andamans. In Bengal, it has been demonstrated that *taungya* plantations with such representative species as *Dipterocarpus turbinatus* (*garjan*) and *Artocarpus chaplasha* are a practical proposition provided a soil cover crop is introduced at an early stage : more slowly growing species such as *Dichopsis* can probably be introduced in mixture, and there are indications that nurse crop of quick growing deciduous trees such as *Gmelina* may be useful. In the Andamans, excellent natural regeneration of *Terminalias* and other semi-deciduous species has been obtained by clearing the undergrowth, burning and thorough weeding, whilst in Assam, *Terminalia myriocarpa* has similarly been regenerated with some aid by sowing. In several places, the method of regenerating these forests by lightening the canopy from below upwards at a rate varying with local conditions, and sometimes with some aid by dibbling seed of desirable species (notably *Dipterocarpus* spp.) has been further established as capable of giving satisfactory results.

An important outstanding problem appears to have been solved in Madras in the successful restocking of second rotation teak plantations. The difficulties experienced there and elsewhere with pure plantations have directed attention to the need of a much wider knowledge of the technique of raising mixed plantations and a good deal of work in this field has been initiated.

The expansion of co-operative work between the Research Institute and the Provinces and Indian States has been a feature of the quinquennium, three major investigations having been taken up, *i.e.*, the regeneration and management of sal forests (6 Provinces), the influence of seed origin for teak (8 Provinces and States), and bamboo management (5 Provinces). This has been associated with the steady improvement in experimental technique throughout the period.

The effect of thinning treatment on the total volume production and the growth of trees is a matter to which more and more attention is being directed with the rapid exhaustion of the older stock in all accessible forests. Yield tables were made for deodar under four intensities of thinning, representing the results of the first statistical study in this field in India. Research is now being concentrated on the growth statistics of unevenaged crops.

The Silvicultural Conference held in March 1929 provided a programme of research which has taken five years to deal with and a fourth conference was convened for October 1934. There have been two meetings of the Union of

Forest Research Stations at Stockholm (1929), and Nancy (1932), at both of which India was represented. The Silviculturist made a special tour of Forest Research Institutes in Europe in 1931 to collect the latest information on research methods and found that India was behind them only in the investigation of soil problems.

19. *Forest Economy.*—This Branch, which deals with such subjects as timber testing, wood technology, seasoning, wood preservation, woodworking, minor forest products, and paper pulp, has several important developments to record since the last report in 1928.

The Timber Testing Section has now tested 148 species of Indian woods under its ordinary strength test programme, and 87 species under the special programme for constructional woods. This work is of the utmost value to engineers and timber users generally throughout India, and has resulted in several instances in Indian woods being given preference over imported woods. One of the chief reasons why imported woods were previously preferred was the lack of information on the strength of Indian timbers. This drawback no longer exists and scientific data on practically all the commercial Indian timbers are now available for those requiring them.

Wood Technology has made great progress during the past few years, and timber users throughout India are recognising more and more the importance of obtaining scientific information about the woods they are handling. The number of enquiries received asking for advice on the suitability of timbers for various purposes, the cause of unusual defects such as extreme hardness, softness or weakness, and requests for fungus examination, now average over 300 per annum, while the number of requests for identification of wood samples have increased from about 60 in 1928 to 400 in 1934. An important little booklet entitled "The Identification of Important Indian Sleeper Woods" was published in 1932 and has proved of considerable value to railway engineers and others dealing in sleeper woods.

The Seasoning Section distinguished itself by developing a new technique for kiln seasoning. This new process has halved the time formerly taken for kiln drying and only costs about a third as much as former processes, while the timber comes out in better condition than it did formerly. There are now several commercial kiln seasoning plants in India and with this cheaper and better technique it is possible that there will be further additions to the number during the next few years. Air-seasoning also has made advances, and an air-seasoning Manual was published in 1934. This Manual is not only a general treatise on air-drying but also deals specifically with the air-seasoning of 120 Indian woods.

The Wood Preservation Section has done some exceedingly useful work in having evolved a method of fixing arsenic and copper in wood, thereby giving it a very much prolonged life against the ravages of termites, fungi and wood borers. The new process, known as the Ascu process, is a development of the Falkamesam process which aimed at fixing arsenic only in the wood. As copper is very toxic to wood destroying agencies, the combination is doubly effective. A new technique for treating heartwood and sapwood railway sleepers together at the same time has also reacted to the benefit of the Forest department and the Railways, by allowing sapwood to be included in sleeper specifications and at the same time cheapening the cost of treatment. Mr. Kamesam, who developed this new technique, was awarded the Viceroy's Prize of 1933 for his treatise on the subject.

In the Woodworking Section considerable advance has been made in the study of Indian woods for veneers and plywood, and a preliminary treatise on the subject was published in 1934. Several Indian woods have been found suitable for the manufacture of plywood tea boxes. The study of glues for Indian conditions has also taken up a considerable amount of time, and as a result of this work the Civil Aviation department has issued instructions to its ground engineers that no licence will be issued unless the applicant has passed the gluing test supervised by the Forest Research Institute. It is gratifying to note that the standard of gluing has, as a result of this, improved considerably

during the past year or two. This has the effect of making the repair work of aircraft more dependable and flying safer.

The Minor Forest Products Section has been occupied chiefly with the development of a portable charcoal kiln suitable for Indian conditions and with the making of briquettes from charcoal dust combined with a suitable binder. An entirely new design of charcoal kiln has been evolved and is now available for those interested in this subject. One of the chief assets of this new kiln is that it can be used without water, a most important matter in those districts where charcoal burning is restricted to 3 or 4 months in a year on account of a lack of water. An intensive study of the more important forest drug producing plants has also been inaugurated, and should lead to an improvement in the cultivation, yield, and quality of these important products.

The Paper Pulp Section can record the completion of Mr. Raitt's work on the utilisation of bamboos for paper pulp. The Section is now engaged in improving pulp technique and in evolving a cellulose from bamboo suitable for artificial silk manufacture. Success appears to be in sight but a little more work is necessary to make certain that the process is a commercial possibility. Other raw materials such as forest grasses, flax waste, and bagasse have also received their quota of attention, and those interested have been kept in touch with the progress made.

In conclusion, it can be definitely recorded that utilisation in forest products has made distinct advances in the past 5 years, and it has been very noticeable that both Government departments and the public have yearly taken more and more advantage of the valuable research work being done by this Branch of the Forest Research Institute.

20. *Forest Botany.*—During the period under review the systematic study of some genera of important timber trees has been undertaken and completed and much help has been given to Forest Officers and others in India and Burma in the identification of numerous plant specimens and in supplying technical advice in botanical matters. The herbarium at the Central Institute has been added to considerably from Indian collections and collections obtained by exchange with other botanical institutions. As usual considerable quantities of seed have been supplied to enquirers and institutions in various parts of the world. Tours have been made by the Forest Botanist and his staff in connection with the investigation of botanical problems, the collection of plant specimens and the identification of trees of forest importance. Planting in the arboretum at New Forest has been continued and many new and interesting plants established; a new botanical garden has been started which is intended to be used for technical, educational and ornamental purposes.

Mycology.—The problem of shisham mortality in the Punjab plantations and in the forests of the United Provinces has been investigated. Shisham trees have been inoculated with a fungus isolated from diseased and dying trees and also with cultures of *Polyporaceae*, fungi which are generally associated with dead trees, and the results watched. Good progress has been made in the investigation of various parasitic rusts as a result of which *Peridermium* on the stems of Chir pine has been co-related with a rust on *Swertia* and a *Peridermium* on the blue pine with a rust on *Ribes* while similar investigations on the needle diseases of other conifers have been undertaken. Studies relating to other wood rotting and parasitic fungi which infest important timber trees have also been undertaken and numerous inoculation experiments done on Pine and Deodar in the Chakrata forests.

21. *Forest Entomology.*—In entomological research the quinquennium has been marked by successful results in several of the major projects planned by Dr. Beeson for investigation on broad lines over a prolonged period.

Time has shown that the control measures devised for the sal borer, *Hoplocerambyx*, are effective, practical and inexpensive. They are adopted as standard measures, not only in the Central Provinces where they were first enforced in the great epidemic of 1927, but in all sal forests where this pest is a danger. The virtual elimination of *Hoplocerambyx* by these methods has raised the importance of the secondary borers of sal to a stage at which it is advisable to apply remedies. Damage by secondary borers has been studied and remedial

measures have been instituted that are at once effective and profitable. The comparative importance of insects and of other factors in the dying-off of sal can now be correctly estimated.

An extensive survey of the conditions governing the defoliation of teak has been conducted in various parts of India, but mainly in Nilambur. The complicated life-histories of the primary and secondary defoliators and their local divergences from the normal have been worked out. The host of associated natural enemies—predators and parasites—has been the subject of many careful breeding experiments and of taxonomic work by specialists. Dr. Beeson's scheme for the prevention of defoliation rejects entirely the use of insecticides and direct attack, and relies on biological control by the maintenance in a plantation of optimum conditions for natural enemies which is ensured by the retention of subsidiary plant growth.

In connection with the spike disease of sandal a comprehensive survey of the insect fauna of this tree was undertaken in Madras and Coorg for the identification of which the assistance of 35 specialists was secured. Out of these thousands of species a few were isolated as probable vectors of the disease and experimental evidence was obtained that incriminated a jassid bug as the primary agent of infection. At the time when unassailable proofs of transmission of the disease by an insect were being collected the special grant subsidising the research was terminated. Thirty-three publications were issued on this investigation.

Insects attacking the living culms as well as cut bamboos have been studied. Investigation of the life-histories of *Dinoderus* and the effect of the season of felling (and incidentally of the phases of the moon) showed that efficient protection is obtainable by improved methods of extraction and storage, as well as by antiseptic treatment. It was demonstrated that specifications for tent and telephone poles, lance staves and lathis are unnecessarily strict and can be modified with profit.

Borers of newly felled trees and of converted and manufactured timber, particularly pinhole and shothole borers, Lyctus and powder-post beetles, have received considerable attention. The problem of protecting the log remains a local one in view of the great diversity of India's borer fauna. In mills and factories, on the other hand, general hygienic principles are more universally applicable and have been successfully introduced to departmental and private concerns.

Seventy-four publications were issued by the Entomological Branch during the period, including Mr. Gardner's valuable reports on the immature stages of Indian insects.

22. *Chemistry.*—During the period of 5 years under review, apart from routine investigations, considerable progress has been made in the chemistry and utilisation of various minor forest products. Some of these have led to the development of a valuable trade in herbs and particular mention may be made of *Artemisias, Ephedras, Derris* and *Adhatoda vasica.* Indian species of *Artemisias* were, at one time, regarded as useless for the extraction of the valuable drug santonine; but the work carried on in this branch showed that some of the Indian species are as rich in santonine content as Russian species; which at one time held the monopoly. This had led to the development of a considerable export trade and establishment of a factory for the extraction of santonine in Kashmir. The same can be claimed for Indian *Ephedras* which only a few years back were practically unknown in foreign markets. Apart from the above, the isolation and chemical study of the active principles of many other indigenous drugs was taken up, especially *Actinodaphne hookeri, Adhatoda vasica, Putranjiva roxburghii* and *Aconitum chasmanthum.*

Oil bearing seeds of many forest trees have also been studied and a few items of economical value have been discovered; for instance an indigenous and rich source of lauric acid in the fats of the *Lauraceæ.* The use of Lauric Acid and its derivatives as valuable detergents is now coming into prominence and already enquiries have been received for the collection of large quantities of berries.

Mention may also be made of the preparation, development and large scale manufacture of "Fridera" a composition for reconditioning the abrased spike holes in wooden sleepers. This composition has been patented and is now being used on many of the Indian Railways. The results of the above investigations have been embodied in 30 odd papers published in scientific journals and departmental publications.

Forestry Committee.

23. The recommendations of the Forestry Committee referred to in the last quinquennial review were duly considered by the Government of India and their decision on the various recommendations are detailed below :—

(1) *Constitution of an Advisory Board.*—Owing to the prevailing financial stringency the constitution of the Advisory Board for the Forest Research Institute, Dehra Dun, was postponed and the Board of Forestry was allowed to continue.

(2) *Enhancement of the powers of control of the President, Forest Research Institute.*—Powers of the Inspector General of Forests and President, Forest Research Institute and College, Dehra Dun, to sanction capital expenditure under Article 69(V) of the Forest Department Code (7th Edition) were raised from Rs. 5,000 to 10,000 and, subject to budget provision, he was also empowered to sanction the creation of temporary posts both at the Forest Research Institute and in his own office on pay not exceeding Rs. 100 per mensem.

(3) *Appointment of a Director of Research.*—The consideration of the question of appointing a Director of Research was postponed for both financial reasons and constitutional considerations.

(4) *Appointment of a Personal Assistant to the President.*—The recommendation to create the post of a Personal Assistant to the President of the Forest Research Institute has been given effect to.

(5) *Centralisation of Branch Offices.*—The recommendation was given effect to and all Branch Offices were centralised except the office of the Forest Economist which was allowed to function separately.

(6) *Methods of recruitment of Sectional officers and subordinates.*—As regards improvements in methods of recruitment and training of staff for scientific research at the Forest Research Institute suggested by the Committee the Government of India after careful consideration decided not to prescribe any general rule. The detailed recommendations of the Committee in this respect were however carefully considered and decisions recorded.

(7) *Necessity for training officers abroad.*—The Government of India already have a definite policy for sending their officers for special training abroad whenever it is necessary. As this policy has so far worked satisfactorily it was decided not to make any modifications in it.

Maintenance of touch with Forest Officers in Provinces and Railways, etc.—As the Economic Branch of the Forest Research Institute is already in close touch with the Railways no further action in that direction was considered necessary.

The suggestions made by the Forestry Committee that provincial silviculturists and Working-plan Conservators should visit Dehra Dun at least once in every two years and that provincial officers even if they are not definitely engaged in research work should be encouraged to visit the Institute in order to gain some idea of the scope of work done at Dehra Dun were commended to local Governments for consideration and accepted by most of them. At the meeting of the Board of Forestry held in October 1934, it was

stressed that officers of the Forest Research Institute should also be afforded full facilities for touring in the provinces with a view to gaining first hand experience of local conditions and disseminating information among the administrative and executive staff.

Protection of the Fauna of the Country.

24. A greater interest was evinced in the protection of the Fauna of British India and Burma during the five-year period in various provinces.

In Bengal the Rhinoceros and Elephant Preservation Acts of 1932 were promulgated. In Assam the Rhinoceros is effectively protected.

In the Punjab rules under the Wild Birds and Wild Animals Protection Act, 1933, have been framed and brought into force. A bill to establish a permanent sanctuary in the United Provinces is under consideration in the local legislature.

The aggregate area of game sanctuaries in Burma and the Federated Shan States was 516 square miles at the close of the present period of review. Owing to financial stringency the post of Game Warden was abolished but substantial progress in the control of firearms and ammunition was effected.

In Madras radical changes in shooting rules are under the consideration of the local Government. A bill to provide protection to wild animals is also being introduced in the Central Provinces' legislature.

As an outcome of the agreements concluded at the International Conference for the protection of the Fauna and Flora of Africa which was held in London in November 1933, the Government of India convened a Conference in January 1935 in which all provinces of India and principal Indian States participated. The Conference among others considered the following important items :—

(1) The present position of the Fauna and Flora of India with a view to consider their protection in and outside forests.

(2) Inoculation of village cattle in the vicinity of game preserves.

(3) Measures to restrict the possession of weapons.

A draft convention has accordingly been drawn up and will be circulated for criticisms.

On the whole there is greater awakening both on the part of the general public and the Government to this very important question and considerable progress may be looked forward in the near future.

C. G. TREVOR,
Inspector-General of Forests
to the Government of India.

NEW FOREST, DEHRA DUN ;
The 27th April, 1935.

List of Forest Publications issued by the Forest Research Institute, Dehra Dun, during the 5-year period ending 31st March 1934.

1.—BULLETINS (NEW SERIES).

No.		Price (exclusive of packing, postage, etc.) Rs. A. P.
71.—A List of Trade Names of Indian Timbers . . .		0 5 0
72.—Instructions for the Operation of Timber Seasoning Kilns, by S. N. Kapur.		1 12 0
73.—The Herbarium of the Forest Research Institute, by R. N. Parker.		0 5 0
75.—Preservation of Indian Timbers—the Open Tank Process, by F. J. Popham.		0 10 0
76.—List of Plants collected in West Nepal		0 4 0
77.—The Identification of Important Indian Sleeper Woods, by K. A Chowdhury.		3 0 0
78.—The Problem of the Pure Teak Plantation, by H. G. Champion		0 12 0
79.—Calorific Values of some Indian Woods, by S. Krishna and S. Ramaswami.		0 12 0
80.—List of Trees and Shrubs for the Kashmir and Jammu Forest Circles, by W. J. Lambert.		0 12 0
81.—Testing and Selection of Commercial Wood Preservatives, by S. Kamesam.		0 14 0
82.—The Measurement of Standing Sample Trees, by H. G. Champion.		1 2 0
83.—Provisional Yield Table for *Quercus incana* (*Banj* or *Ban-oak*) by H. G. Champion and I. D. Mahendru.		0 14 0
84.—The Identification of the Commercial Timbers of the Punjab, by K. A. Chowdhury.		3 0 0
85.—A Record of the Results obtained with Experimental Treated Sleepers laid in the Indian Railways between 1911 and 1916, by S. Kamesam.		0 8 0
86.—Cold Weather Planting in Northern India, by H. G. Champion.		0 9 0

2.—RECORDS.

Vol. XIII, Part VIII.—Volume and Outturn Tables for Blue Pine (*Pinus excelsa*, Wall), by H. G. Champion, Ishwar Das Mahendru and Parma Nand Suri.		1	2 0
„ „ „ IX.—Commercial Timber (Katha) and Heartwood Volume Tables for *Khair* (*Acacia catechu*) in North India, by the same authors.		0	14 0
„ „ „ X.—Yield Tables for Blue Pine (*Pinus excelsa*, Wall), by the same authors.		1	9 0
„ XIV, „ I.—The Burma Bamboo Pulp Survey, by W. Raitt.		2	10 0
„ „ „ II.—Denudation of the Punjab Hills, by B. O. Coventry.		1	4 0
„ „ „ III.—Investigations on the Infestations of *Peridermium complanatum*, Barclay, on the needles, and of *Peridermium himalayense*, on the stem of *Pinus longifolia*, Roxb., by K. D. Bagchee.		2	12 0
„ „ „ IV.—Immature Stages of Indian Coleoptera (6), by J. C. M. Gardner.		1	2 0

2.—RECORDS—*contd.*

				Price (exclusive of packing, postage, etc.) Rs.	A.	P.
Vol. XIV,	Part	V.—	On some New Indian Coleoptera and Hemiptera.—The Indian Species of Palorus Muls, and some Associated Beetles, by K. G. Blair. Part VI.—Two New Species of Coleoptera from India, by E. Fleutiaux. Part VII.—Some New Indian Cerambycidae, by J. C. M. Gardner. Part VIII.—Some Records of Indo-Malayan Psyllidae, by F. Laing.	1	2	0
"	"	"	IX.—On the Genus Xyleborus—Neue Xyleborus Artenaus Indien, by Hans Eggers. Part X.—The Biology of the Genus Xyleborus, with more New Species, by C. F. C. Beeson.	1	6	0
"	"	"	XI.—On some Indian Coleoptera.—A New Genus and New Species of Melasidae and a New Species of Elateridae, by E. Fleutiaux. Part XII.—A New Genus and two New Species of Long-horn Beetles from India, by W. S. Fisher. Part XIII.—Immature Stages of Indian Coleoptera (7), by J. C. M. Gardner. Part XIV.—Three New Species of Lycidae, by R. Kleine.	1	0	0
"	XV,	"	I.—Classification of Thinnings . . .	0	14	0
"	"	"	II.—A Glossary of Technical Terms for use in Indian Forestry.	0	6	0
"	"	"	III.—Standard, Commercial and Heartwood Volume Tables (Factory Working) for *Khair* (*Acacia catechu*) in North India by H. G. Champion and Ishwar Das Mahendru.	0	5	0
"	"	"	IV.—Volume Tables and Diameter Growth Curve for *Semal* (*Bombax malabaricum*), by Ishwar Das Mahendru.	0	9	0
"	"	"	V.—Provisional Volume Tables and Diameter Growth Curve for *Semal* (*Bombax malabaricum*) in the Central Provinces, by the same author.	0	2	0
"	"	"	VI.—Branch Smallwood Tables for *Shorea robusta*, *Tectona grandis*, *Cedrus deodara*, *Pinus excelsa* and *P. longifolia*; compiled in the Statistical Section, F. R. I.	0	3	0
"	"	"	VII.—Provisional Volume Tables and Diameter Growth Curves for *Holoptelea integrifolia* (*kanju*) and *Trewia nudiflora* (*gutel*), by Ishwar Das Mahendru.	0	12	0
"	"	"	VIII.—Multiple Yield Tables for Deodar, by H. G. Champion and I. D. Mahendru.	4	8	0
"	XVI,	"	I.—Illustrations of Indian Forest Plants.—Part II.—Five Species of *Dipterocarpus*, by R. N. Parker.	1	0	0
"	"	"	II.—Indian Ephedras, by S. Krishna and T. P. Ghosh.	1	14	0
"	"	"	III.—Immature Stages of Indian Coleoptera (8), by J. C. M. Gardner.	1	2	0
"	"	"	IV.—Immature Stages of Indian Coleoptera (9), by J. C. M. Gardner.	1	2	0

2.—RECORDS—*contd.*

				Price (exclusive of packing, postage, etc.) Rs.	A.	P.
Vol. XVI,	Part V.		—Investigations on the Seed and Seedlings of *Shorea robusta*, by H. G. Champion and B. D. Pant.	1	6	0
„	„	„	VI.—The Use of Stumps (Root and Shoot Cuttings) in Artificial Regeneration, by the same authors.	2	4	0
„	„	„	VII.—Notes on *Pinus longifolia*, Roxb.—The Plantations in Dehra Dun and the Central Provinces and Miscellaneous Seed Studies, by the same authors.	1	10	0
„	„	„	VIII.—New Indian Curculionidae (Col.), by Sir Guy A. K. Marshall.	0	6	0
„	„	„	IX.—The Life-History and Control of *Celosterna scabrator* (Col. Cerambycidae), by C.F. C. Beeson.	0	8	0
„	„	„	X.—New Species of Exocentrus Mulsant from India, by W. S. Fisher.	0	7	0
„	„	„	XI.—Immature Stages of Indian Coleoptera (10) Anthribidae, by J. C. M. Gardner.	0	5	0
„	XVII,	„	I.—Entomological Investigations on the Spike Disease of Sandal (*Santalum album*), by Cedric Dover.	1	0	0
„	„	„	II.—Treatment of Babul (*Acacia arabica*), by S. A. Vahid.	1	14	0
„	„	„	III.—Immature Stages of Indian Coleoptera (11), (*Platypodidae*), by J. C. M. Gardner.	0	9	0
„	„	„	IV.—The Sutlej Deodar—Its Ecology and Timber production, by R. M. Gorrie.	3	2	0
„	„	„	V.—The Importance of the Origin of Seed used in Forestry, by H. G. Champion.	2	12	0
„	„	„	VI.—New Cerambycidae from India (Coleoptera), by W. S. Fisher.	0	2	0
„	„	„	VII.—Interim Report on Work under Project No. 2, Strength Tests of Timber in Structural Sizes, with Test Results up to 1932, by L. N. Seaman.	1	0	0
„	„	„	VIII.—Immature Stages of Indian Coleoptera (12) (Carabidae), by J. C. M. Gardner.	0	9	0
„	„	„	IX.—Entomological Investigations on the Spike Disease of Sandal (2) Bostrychidae, Platypodidae and Scolytidae, by C. F. C. Beeson.	0	4	0
„	„	„	X.—Entomological Investigations on the Spike Disease of Sandal (3) Membracidae (Homopt.), by W. D. Funkhouser.	0	6	0
„	XVIII,	„	I.—Entomological Investigations on the Spike Disease of Sandal (4) Cercopidae (Homopt.), by V. Lallemand.	0	2	0
„	„	„	II.—Entomological Investigations on the Spike Disease of Sandal (5) Brenthidae and Lycidae (Col.), by R. Kleine.	0	2	0
„	„	„	III.—Entomological Investigations on the Spike Disease of Sandal (6) Anthribidae, by Karl Jordan.	0	3	0
„	„	„	IV.—Entomological Investigations on the Spike Disease of Sandal (7) The Genus Exocentrus (Cerambycidae), by W. S. Fisher.	0	2	0

2.—RECORDS—*concld.*

				Price (exclusive of packing, postage, etc.) Rs.	A.	P.
Vol. XVIII	Part	V.	—Entomological Investigations on the Spike Disease of Sandal (8) Carabidae, by H. E. Andrewes.	0	7	0
„	„	„	VI.—Entomological Investigations on the Spike Disease of Sandal (9) Neuroptera, by Dr. Nathan Banks.	0	2	0
„	„	„	VII.—Entomological Investigations on the Spike Disease of Sandal (10) Melasidae and Elateridae, by E. Fleutiaux.	0	5	0
„	„	„	VIII.—Entomological Investigations on the Spike Disease of Sandal (11) Fulgoridae., (Homopt.) by N. C. Chatterjee.	0	12	0
„	„	„	IX.—Immature Stages of Indian Coleoptera (13) (Bostrychidae), by J. C. M. Gardner.	1	0	0
„	„	„	X.—Third Interim Report on Project No. 1.—The Physical and Mechanical Properties of Woods grown in India, by V. D. Limaye.	4	4	0
„	„	„	XI.—Investigations on the Infestation of *Peridermium himalayense* on *Pinus longifolia*, Part II, by K. D. Bagchee.	4	4	0
„	„	„	XII.—A Stand Table for Sal (*Shorea robusta*) Evenaged High Forest, by I. D. Mahendru.	0	5	0
„	„	„	XIII.—Entomological Investigations on the Spike Disease of Sandal. The Life-history and morphology of *Eurybrachys tomentosa* Fabr. (12) Fulgoridae (Homopt.), by N. C. Chatterjee.	0	12	0
„	XIX,	„	I.—New Thysanoptera from India, by Dudley Moulton.	0	6	0
„	„	„	II.—Entomological Investigations on the Spike Disease of Sandal (13) Membracidae and Cercopidae (Homopt.), by N. C. Chatterjee and M. Bose.	0	4	0
„	„	„	III.—Regeneration and Management of Sal, by H. G. Champion.	5	0	0
„	„	„	IV.—Entomological Investigations on the Spike Disease of Sandal (14) Jassidae (Homop.), by H. S. Pruthi.	1	0	0
„	„	„	V.—Entomological Investigations on the Spike Disease of Sandal (15) Cicindelidae (Col.) and Supplementary Data on Neuroptera and Elateridae (Col.), by N. C. Chatterjee.	0	5	0
„	„	„	VI.—Entomological Investigations on the Spike Disease of Sandal (16) Coccinellidae (Col.), by B. Korschefsky.	0	6	0
„	„	„	VII.—Entomological Investigations on the Spike Disease of Sandal (17) Coccinellidae (Col.), Supplementary Data, by N. C. Chatterjee and M. Bose.	0	5	0
„	„	„	VIII.—Entomological Investigations on the Spike Disease of Sandal (18) Fulgoridae (Homopt.), by N. C. Chatterjee and M. Bose.	0	5	0

3.—MANUALS

Manual of Botany, by R. S. Hole (Reprinted) . . .	3	8	0
Silvicultural Research Manual for use in India, Volume I, (Experimental Manual), by H. G. Champion.	8	2	0
Silvicultural Research Manual for use in India, Volume II.—(Statistical Code), by H. G. Champion and I. D. Mahendru.	12	10	0

4.—OTHER PUBLICATIONS.

	Price (exclusive of packing, postage, etc.) Rs.	A.	P.
Forest College, Dehra Dun, Calendar, 1931	5	2	0
The Progress Report of Forest Research Work in India, 1928-29 .	4	6	0
The „ „ „ „ „ „ „ 1929-30 .	4	6	0
The „ „ „ „ „ „ „ 1930-31 .	6	10	0
The Progress of Forest Research in India, 1931-32, Part I.—The Forest Research Institute.	2	0	0
The Progress of Forest Research in India, 1931-32, Part II.—Provincial Reports.	2	14	0
The Progress of Forest Research in India, 1932-33, Part I.—The Forest Research Institute.	2	0	0
The Progress of Forest Research in India, 1932-33, Part II.—Provincial Reports.	2	0	0
Progress Report of the Imperial Forest College, Dehra Dun, for 1928-29.	1	6	0
„ „ „ „ „ „ „ „ 1929-30.	1	8	0
„ „ „ „ „ „ „ „ 1930-31.	1	12	0
Progress Report of the Indian Forest Service and Forest Rangers Colleges, Dehra Dun, for 1931-32.	1	0	0
Progress Report of the Forest College, Dehra Dun, for 1932-33 .	0	12	0
Annual Return of Statistics relating to Forest Administration in British India, for 1928-29.	10	0	0
Annual Return of Statistics relating to Forest Administration in British India, for 1929-30.	1	8	0
Annual Return of Statistics relating to Forest Administration in British India, for 1930-31.	1	14	0
Annual Return of Statistics relating to Forest Administration in British India, for 1931-32.	1	12	0
Annual Return of Statistics relating to Forest Administration in British India, for 1932-33.	1	14	0
Classified List of Officers of the Indian and Provincial Forest Services and of the Forest Engineering Service in India and Burma on 1st July 1929.	...		
Classified List of Officers of the Indian and Provincial Forest Services and of the Forest Engineering Service in India and Burma on 1st July 1930.	...		
Classified List of Officers of the Indian and Provincial Forest Services and of the Forest Engineering Service in India and Burma on 1st July 1931.	4	0	0
Classified List of Officers of the Indian and Provincial Forest Services and of the Forest Engineering Service in India and Burma on 1st July 1932.	4	10	0
Classified List of Officers of the Indian and Provincial Forest Services and of the Forest Engineering Service in India and Burma on 1st July 1933.	4	4	0
The Common Commercial Timbers of India and their Uses, by H. Trotter.	1	12	0
The Forest Research Institute Guide	0	3	0
Forty Trees Common in India, by R. N. Parker . . .	3	6	0
Tables for use with Brandis' Hypsometer for measuring the height of Trees, etc., by F. B. Manson and H. H. Haines.	0	10	0

STATEMENT I.

Area of forests under the control of the Forest Department.

Province. Name.	Area in square miles.	Forest area in square miles. Reserved.	Protected.	Unclassed State.	Total.	Percentage of forests to whole area of Province.	Remarks.
1	2	3	4	5	6	7	8
Bengal	75,857	6,489	705	3,445	10,639	14	
United Provinces	106,014	(a) 5,185	4	52	5,241	4·9	(a) Includes 1 square mile of leased forests.
Punjab	95,315	(b) 1,531	(c) 3,207	(d) 455	5,193	5·4	(b) Includes 346 square miles of leased forests but excludes 501 square miles of reserved forests not under the control of the Forest Department. (c) Excludes 63 square miles not under the control of the Forest Department.
Burma	182,900	31,533	...	91,838	123,371	67·4	(d) Excludes 235 square miles of civil forest and village forest lands.
Federated Shan States	60,615	3,189	...	56,358	59,547	98·2	
Bihar and Orissa	83,021	(e) 1,849	(f) 1,156	(g) 7	3,012	3·6	(e) Excludes 284 square miles belonging to private estates under their own management.
Assam	55,445	6,630	...	14,818	21,448	38·7	(f) Excludes 694 square miles under the Civil Department and 102 square miles belonging to private owners. (g) Excludes 121 square miles belonging to private individuals under negotiation with a view to reservation or protection.
Central Provinces (including Berar).	99,957	(h) 19,430	...	...	19,430	19·4	(h) Excludes 174 square miles of leased forests.
Coorg	1,593	519	337	...	856	53·7	
North-West Frontier Province.	13,183	245	105	...	350	2·6	
Ajmer-Merwara	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	54,228†	316	...	472	788	1·5	
Andamans and Nicobar	3,143†	52	...	2,137	2,189	69·6	
Madras	142,218	15,652	(i) 621	...	16,273	11·4	(i) Represents reserved and leased lands.
Bombay (including Sind)	123,247	13,317	868	...	(j) 14,185	11·5	(j) Includes 2,279 square miles of reserved and protected forests not under the management of the Forest Department.
Total 1933-34	1,099,503*	106,079	7,003	169,582	282,664	25·7	
,, 1932-33	1,099,511*	106,179	7,212	147,828	261,219	23·7	
,, 1931-32	1,101,902*	105,960	6,682	133,189	245,831	22·3	
,, 1930-31	1,102,595*	107,753	6,263	135,694	249,710	22·6	
,, 1929-30	1,103,486*	107,853	6,298	135,503	249,154	22·6	

* Excluding Delhi Province and Pargana Manpur.

† Figures taken from the Census Report of 1931.

STATEMENT II.

Progress made in Forest Settlements during the year 1933-34.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	11	18	...	...	...	...
United Provinces	1	1	...	...	...	...
Punjab	...	7	...	...	...	...
Burma	57	451	5	34	...	...
Federated Shan States	...	...	...	...	...	...
Bihar and Orissa	...	57	36	...	...	...
Assam	84	109	...	...	...	...
Central Provinces	1	1	...	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	20	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	...	...	...	...	...
Andamans	...	52	...	...	...	...
Madras	16	187	115	No information is available.		
Bombay	9	47	4	19	...	...
Total 1933-34	179	950	160	53	...	...
1932-33	653	1,757	280	571	...	...
1931-32	1,643	3,975	458	21,066	...	...
1930-31	530	4,242	512	10,088	...	...
1929-30	554	2,766	2,286	14,304	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Bengal . . .	446	1,005	2,004	3,455	34	1,386	4,875	7,083	7,831
United Provinces .	22	3,031	5,629	8,682	2	2,884	11,568	1,259	14,890
Punjab . . .	...	1,730	7,114	8,844	1	1,268	10,113	...	6,319
Burma . . .	303	1,852	15,592	17,752	226	4,000	21,978	4,248	13,545
Federated Shan States	...	73	1,260	1,333	...	590	1,923	...	671
Bihar and Orissa .	3	3,672	1,192	4,867	...	358	5,225	9	3,921
Assam . . .	24	1,542	1,219	2,785	99	2,592	5,476	...	8,040
Central Provinces .	3	3,475	29,415	32,893	...	3,517	36,410	42	6,507
Coorg . . .	...	24	445	469	...	67	536	...	763
North-West Frontier Province.	41	208	569	818	...	139	957	908	1,713
Ajmer . . .	10	13	216	239	...	158	397	150	50
Baluchistan . .	28	432	...	460	...	77	537	...	149
Andamans . .	...	...	...	...	36	23	59	...	...
Madras . . .	189	20,578	2,401	23,168	2,590	2,267	28,025	4,196	10,376
Bombay . . .	106	24,876	13,016	37,998	45	2,627	40,670	1,519	2,327
Total 1933-34 .	1,180	62,511	80,072	143,763	3,033	21,953	168,749	19,414	77,102
1932-33 .	759	61,613	80,999	143,371	1,202	21,823	166,396	18,901	73,217
1931-32 .	771	57,263	85,085	143,119	1,422	21,555	166,096	17,630	62,692
1930-31 .	1,152	61,980	79,318	142,486	731	21,462	164,679	32,161	1,08,440
1929-30 .	1,173	61,499	78,688	140,860	937	21,045	162,806	17,974	1,03,363

STATEMENT IV.

Forest survey operations from 1st April 1933 to 31st March 1934.

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1933-34.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
1	2	3	4	5	6		8	9	10
								Rs. A. P.	
Ajmer	...	...	...	...	...	...	172·04	.....	
Andamans	...	...	...	...	...	...	527·00	.....	
Assam	...	...	...	...	...	...	5,891·62	.....	
Baluchistan	...	...	...	...	...	...	249·90	.....	
Bengal	Chittagong Hill Tracts	201·25	...	...	...	(a) 201·25	5,540·47	.....	(a) Ordinary surveys not paid for by Forest Department
Bihar and Orissa.	Sambalpur East	73·15	...	...	...	(b) 73·15	2,553·42	.....	(b) Ditto.
Bombay	...	...	...	...	...	...	13,232·90	.....	
Burma	Upper Chindwin	38·93	...	...	...	(c) 38·93	28,049·13	.....	(c), (d), (e), (f) Cost of surveys not debitable to "Forests".
	Lower ,,	138·28	...	...	...	(d) 138·28			
	Myittha	390·44	...	...	...	(e) 390·44			
	Yaw	118·68	...	...	...	(f) 118·68			
Central Provinces.	...	...	...	...	...	...	19,636·30	.....	
Coorg	...	...	...	...	...	...	478·00	.....	

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1933 to 31st March 1934—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1933-34.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10
								Rs. A. P.	
India . .	...	...	...	...	...	...	...	.....	
Madras . .	...	...	...	...	...	...	18,216·57	.....	
N.-W. F. P. .	...	...	...	...	...	...	465·00	.....	
Punjab . .	...	...	...	...	...	...	4,385·00	.....	
United Provinces.	...	...	...	...	...	...	7,142·70	.....	
									Contributions to Forest Map Office by Provincial and Central Governments (after emergency cut).
								Rs. A. P.	Rs.
TOTAL 1933-34	1st April 1933 to 31st March 1934.	960·73	...	...	...	960·73	106,540·05	.....	40,560
„ 1932-33	1st April 1932 to 31st March 1933.	402·55	...	...	...	402·55	105,579·32	.....	41,982
„ 1931-32	1st April 1931 to 31st March 1932.	478·54	...	3·79	...	482·33	105,176·77	8,826 0 0	46,000
„ 1930-31	1st April 1930 to 31st March 1931.	...	...	362·23	...	362·23	104,694·44	2,58,901 0 0	46,000
„ 1929-30	1st April 1929 to 31st March 1930.	1,491·73	...	290·75	...	1,782·48	104,332·21	2,44,091 0 0	36,000

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,763	...	...	6,763	63·6	1	114	3,761	10,639	...	105	...	...
United Provinces	5,306	175	177	5,204	99·3	13	5	19	5,241	...	1,680	713	1,08,478
Punjab	2,380	23	24	2,379	46	134	...	2,680	5,193	...	1,261	...	2,148
Burma	24,974	124	111	24,987	79	966	1,296	4,284	(a) 31,533	...	4,371	...	...
Federated Shan States	1,373	...	...	1,373	43	264	24	1,528	(a) 3,189	...	842	...	...
Bihar and Orissa	2,239	169	14	2,394	79·48	...	10	608	3,012	92	955	...	1,295
Assam	1,508	...	...	1,508	7	629	2,410	16,901	21,448	3	15	...	...
Central Provinces	17,615	4	3	17,616	90	809	23	982	(b) 19,430	...	3,819	513	50,436
Coorg	169	...	...	169	19·7	...	...	687	856	...	...	...	130
North-West Frontier Province.	245	...	...	245	70	...	...	105	350	...	...	...	...
Ajmer	142	...	...	142	100	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	788	788	...	...	...	...
Andamans	708	...	...	708	32·34	...	...	1,481	2,189	...	(c) 708	...	39,158
Madras	10,274	1,094	...	11,368	70	2,825	2,080	...	16,273	...	...	...	...
Bombay	8,965	284	758	8,491	71	520	277	2,637	(d) 11,925	1,281	2,453	315	7,716
TOTAL 1933-34	82,561	1,873	1,087	83,347	63·04	6,161	6,239	36,461	132,208	1,376	16,209	1,541	2,09,361
,, 1932-33	79,477	3,891	754	82,614	62·3	6,262	6,992	35,842	132,559	1,759	11,421	8,476	1,23,643
,, 1931-32	76,184	4,235	711	79,658	59·2	8,818	10,397	35,673	134,546	1,198	15,825	3,145	2,01,574
,, 1930-31	74,762	2,015	115	76,162	57·5	12,632	11,192	32,489	132,475	1,718	16,899	1,286	1,24,951
,, 1929-30	71,141	3,975	571	74,545	57·1	11,369	9,364	34,180	130,397	3,796	15,561	1,957	1,25,877

(a) Excludes unclassed forests.

(b) Excludes 174 square miles of leased forests.

(c) The area given is that of the old working plans. The exact area that will be included in the new working plans is not yet known.

(d) Excludes 2,260 square miles not under the management of the Forest Department.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	9,235	255	36,811	33,522	9,442	89,265
United Provinces	10,881	5,212	87,009	98,878	17,062	2,19,042
Punjab	12,630	10,951	21,177	22,686	6,548	73,992
Burma	2,468	2,513	72,286	1,11,324	7,576	1,96,167
Federated Shan States	500	...	2,788	2,097	896	6,281
Bihar and Orissa	3,072	2,946	27,611	30,521	4,228	68,378
Assam	10,803	2,391	36,425	51,601	17,303	1,18,523
Central Provinces	...	...	60,227	1,01,734	8,399	1,70,360
Coorg	34	...	3,492	4,772	1,678	9,976
North-West Frontier Province	906	...	6,598	17,937	2,023	27,464
Ajmer	...	...	499	965	34	1,498
Baluchistan	...	...	550	72	20	642
Andamans	...	...	5,550	10	10,882	16,442
Madras	16,641	10,377	58,139	88,832	3,509	1,77,498
Bombay	32,745	26,070	24,135	88,584	9,255	1,80,789
Total 1933-34	99,915	60,715	4,43,297	6,53,535	98,855	13,56,317
„ 1932-33	1,01,867	1,07,650	4,28,685	6,94,264	1,06,801	14,39,267
„ 1931-32	1,67,776	1,74,830	4,42,278	7,78,561	1,55,362	17,18,907
„ 1930-31	30,23,437	21,98,826	4,75,776	7,63,718	3,39,036	68,00,793
„ 1929-30	32,73,522	22,94,638	5,90,180	10,23,334	3,74,595	75,56,269

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal	A.	195	2	449	31	104	586	781	364	857	38	111	402	968	326
	B.	267	10	2,548	2,181	1,658	6,397	6,664	6,524	11,543	16	49	6,540	11,592	118
	C.	...	74	312	1	50	437	437	...	...	...	...	...	...	...
Total		462	86	3,309	2,213	1,812	7,420	7,882	6,888	12,400	54	160	6,942	12,560	444
United Provinces.	A.	88	...	38	30	44	112	200	132	330	21	74	153	404	53
	B.	796	32	1,614	1,850	1,168	4,664	5,460	4,287	11,647	340	560	4,627	12,207	827
	C.	...	64	149	35	23	271	271	...	...	...	...	...	...	...
Total		884	96	1,801	1,915	1,235	5,047	5,931	4,419	11,977	361	634	4,780	12,611	880
Punjab	A.	1,314	4	653	464	392	1,513	2,832	1,003	1,795	114	298	1,117	2,093	935
	B.	968	25	2,815	5,184	2,877	10,901	11,869	11,183	14,639	1	2	11,184	14,641	400
	C.	...	53	56	55	34	199	199	...	...	...	...	...	...	...
Total		2,282	82	3,529	5,704	3,303	12,618	14,900	12,186	16,434	115	300	12,301	16,734	1,335
Burma	A.	1,012	1	1,066	21	305	1,413	2,425	1,650	2,251	177	407	1,827	2,658	...
	B.	1,498	1	8,075	349	1,896	10,321	11,819	10,016	12,179	...	...	10,016	12,179	...
	C.	...	2	113	1	12	128	128	...	...	...	...	...	...	...
Total		2,510	4	9,274	371	2,213	11,862	14,372	11,666	14,430	177	407	11,843	14,837	1,855
Federated Shan States.	A.	9	1	18	...	...	19	28	17	19	...	1	17	20	...
	B.	33	...	159	18	48	225	258	147	163	...	...	147	163	...
	C.	...	...	5	...	1	6	6	...	...	...	...	...	...	...
Total		42	1	182	18	49	250	292	164	182	...	1	164	183	40
Bihar and Orissa	A.	35	4	256	48	53	361	396	277	610	27	99	304	709	79
	B.	118	5	3,750	651	184	4,590	4,708	4,387	12,184	...	...	4,387	12,184	238
	C.	...	138	18	...	...	156	156	...	...	...	...	...	...	...
Total		153	147	4,024	699	237	5,107	5,260	4,664	12,794	27	99	4,691	12,893	317
Assam	A.	142	2	210	22	162	396	538	323	728	58	153	381	881	157
	B.	236	...	1,247	92	594	1,933	2,169	1,847	3,139	71	267	1,918	3,406	251
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total		378	2	1,457	114	756	2,329	2,707	2,170	3,867	129	420	2,299	4,287	408
Central Provinces.	A.	80	3	104	152	50	309	389	238	598	76	319	314	917	75
	B.	3,895	135	10,850	12,129	1,486	24,600	28,495	23,612	61,219	1,189	2,503	24,801	63,722	3,694
	C.	...	372	1,458	265	53	2,148	2,148	...	...	...	...	...	...	...
Total		3,975	510	12,412	12,546	1,589	27,057	31,032	23,850	61,817	1,265	2,822	25,115	64,639	3,769
Coorg	A.	2	...	2	1	1	4	6	2	2	...	...	2	2	4
	B.	...	...	10	24	5	39	39	36	67	3	13	39	80	...
	C.	...	...	2	1	...	3	3	...	...	...	...	...	...	...
Total		2	...	14	26	6	46	48	38	69	3	13	41	82	4
North-West Frontier Province.	A.	352	3	372	375	173	923	1,275	345	767	93	314	438	1,081	810
	B.	723	...	994	1,693	433	3,120	3,843	2,853	4,376	...	...	2,853	4,376	612
	C.	...	18	1	...	...	19	19	...	...	...	...	...	...	...
Total		1,075	21	1,367	2,068	606	4,062	5,137	3,198	5,143	93	314	3,291	5,457	1,422

STATEMENT VII—*contd.*

Breaches of forest rules—*contd.*

Province.		Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		Cases pending at close of year.
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	8	3	35	83	11	132	140	106	172	14	30	120	202	20
	B.	...	7	596	1,640	32	2,275	2,275	2,275	4,236	...	...	2,275	4,236	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	8	10	631	1,723	43	2,407	2,415	2,381	4,408	14	30	2,395	4,438	20
Baluchistan	A.	7	...	30	16	1	47	54	39	80	1	...	40	80	14
	B.	...	1	73	199	...	273	273	273	363	...	...	273	363	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	7	1	103	215	1	320	327	312	443	1	...	313	443	14
Andamans	A.	...	...	1	...	3	4	4	3	4	1	1	4	5	...
	B.	...	...	13	...	2	15	15	14	14	1	1	15	15	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	14	...	5	19	19	17	18	2	2	19	20	...
Madras	A.	3,134	58	7,701	1,465	541	9,765	12,899	4,644	11,628	5,723	13,078	10,367	24,701	2,532
	B.	4,124	184	14,204	2,954	1,030	18,972	23,096	15,711	31,065	2,137	4,592	17,848	35,657	5,248
	C.	...	1,407	404	64	4	1,879	...	...	...	...	...	...	...	...
	Total	7,258	1,649	22,309	4,483	2,175	30,616	35,995	20,355	42,688	7,860	17,670	28,215	60,358	7,780
Bombay	A.	126	22	164	73	41	300	426	292	607	37	181	329	788	97
	B.	1,630	223	9,578	6,537	2,716	19,054	20,684	18,877	46,031	1	1	18,878	46,032	1,806
	C.	93	1,722	1,559	24	97	3,402	3,495	...	...	...	...	...	...	...
	Total	1,849	1,967	11,301	6,634	2,854	22,756	24,605	19,169	46,638	38	182	19,207	46,820	1,903
Grand Total	A.	6,504	103	11,124	2,781	1,881	15,889	22,393	9,435	20,443	6,380	15,066	15,815	35,509	5,102
	B.	14,288	623	56,526	35,501	14,729	107,379	121,667	102,042	212,865	3,759	7,988	105,801	220,853	13,194
	C.	93	3,850	4,077	447	274	8,648	6,862	...	...	...	...	...	...	...
Total 1933-34		20,885	4,576	71,727	38,729	16,884	131,916	150,922	111,477	233,308	10,139	23,054	121,616	256,362	20,191
„ 1932-33		18,177	5,126	70,315	36,577	16,835	128,853	147,030	104,473	211,227	10,483	24,202	114,956	235,429	18,406
„ 1931-32		17,985	4,947	63,399	36,628	13,790	118,764	136,749	99,775	207,057	9,825	20,864	109,600	227,921	17,677
„ 1930-31		12,280	4,547	58,756	33,620	13,622	110,545	125,052	89,782	191,845	7,871	18,895	97,653	210,740	16,784
„ 1929-30		13,710	4,302	55,959	33,994	15,887	110,142	126,025	97,718	196,132	5,939	14,870	103,652	211,002	11,722

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1932-33.	1933-34.	
1	2	3	4	5	6	
Bengal	1,747	1,730	24·3	0·9	0·97	
United Provinces	4,419	4,394	85·2	5·3	·56	
Punjab	919	911	19·4	2·4	0·87	
Burma	145	139	·5	6·7	4·14	
Federated Shan States	3	3	·1	17·6	—	
Bihar and Orissa	1,908	1,764	63·5	8·2	7·5	
Assam	22	21	·3	13·3	4·5	
Central Provinces	14,282	13,684	73·5	4·4	4·2	
Coorg	230	228	26·9	1·28	1	
North-West Frontier Province	148	145	42·3	4·1	2·03	
Ajmer	142	141	100	·43	·24	
Madras	15,231	14,466	93·6	5·7	5·02	
Bombay	9,317	8,657	65·7	6	7·08	
Total 1933-34	48,513	46,283	42·9	4·9	4·6	
„ 1932-33	46,843	44,879	42·3	4·7	4·2	
„ 1931-32	46,271	43,236	40·8	4·3	6·5	
„ 1930-31	45,838	43,862	40·7	3·9	4·3	
„ 1929-30	46,178	43,997	40·9	3·6	4·7	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.
Bengal	2	...	3	...	33	7	3	...	28	9	69	16
United Provinces	15	2	21	4	38	1	1	...	58	18	133	25
Punjab	5	...	9	2	74	2	8	4	3	...	99	8
Burma	10	251	14	659	12	253	...	...	33	2,740	69	3,903
Federated Shan States	...	...	...	...	1	2	2	58	1	6	4	66
Bihar and Orissa	7	1	26	23	22	42	27	21	131	65	213	152
Assam	1	...	3	...	15	1	12	131	...	...	31	132
Central Provinces	92	44	143	112	163	88	21	13	480	341	899	598
Coorg	7	...	3	...	7	1	...	...	15	2	32	3
North-West Frontier Province	...	...	1	2	10	...	7	1	3	...	21	3
Ajmer	...	...	...	...	10	...	...	...	1	...	11	...
Baluchistan	...	...	...	...	1	1	...	...	...	...	1	1
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	43	4	200	73	1,077	66	93	35	967	589	2,380	767
Bombay	63	37	110	69	566	219	216	46	1,013	304	1,968	675
TOTAL 1933-34	245	339	533	944	2,029	683	390	309	2,733	4,074	5,930	6,349
,, 1932-33	186	393	550	424	1,600	2,713	721	766	2,503	4,974	5,560	9,270
,, 1931-32	156	83	640	1,337	1,820	4,939	837	8,117	2,860	2,079	6,313	16,555
,, 1930-31	144	146	509	304	1,358	332	675	457	2,600	838	5,286	2,077
,, 1929-30	190	179	552	412	1,360	458	589	852	2,562	937	5,253	2,838

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6.).
	Whole year.	Part of year.	Of all animals.		Of all animals except browsers (camels, sheep and goats).		
			Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,234	...	4,279	...	63	63	10,639
United Provinces	1,971	68	2,281	22	843	56	5,241
Punjab	450	26	4,105	110	385	117	5,193
Burma	24,066	...	91	224	2,639	4,513	123,371
Federated Shan States	2,308	...	...	...	745	136	59,547
Bihar and Orissa	609	...	607	1	1,427	361	3,012
Assam	5,150	...	14,715	...	1,583	...	21,448
Central Provinces	2,272	265	3,758	...	13,135	224	19,430
Coorg	80	439	...	...	...	439	856
North-West Frontier Province	66	...	93	...	191	...	350
Ajmer	53	86	3	...	...	86	142
Baluchistan	675	...	83	20	1	9	788
Andamans	52	...	...	...	358	...	2,189
Madras	1,959	196	10,894	5	9	3,210	16,273
Bombay	1,399	313	2,917	...	(a) 9,536	18	14,185
TOTAL 1933-34	47,344	1,393	43,826	382	30,915	9,232	2,82,664
1932-33	47,552	1,441	43,055	475	34,430	11,494	2,61,219
1931-32	46,629	1,337	46,989	488	31,408	5,640	2,45,831
1930-31	45,177	1,223	47,294	487	31,256	5,695	2,49,710
1929-30	44,819	1,030	46,303	586	31,292	5,932	2,49,154

(a) Excluding an area of 2 sq. miles submerged in the Bhandardara lake.

STATEMENT XI.

Protection from Cattle.

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,669	37,497	296	...	49	75	1,909	...	...	7
United Provinces	50,427	144,255	102,299	1,700	1,873	5,623	29,087	21,495	...	149
Punjab	8,137	15,048	429,506	15,058	173	809	9,333	111,908	...	104
Burma	1,948	24,102	...	*50	...	...	144	...	...	...
Federated Shan States	3,179	597	...	...	408	...	...	...	...	...
Bihar and Orissa	3,538	16,763	1,203	...	110	4,891	11,845	...	...	...
Assam	10,805	5,374	412	...	96	565	405	...	...	...
Central Provinces	213,578	622,554	322,548	18	3,602	100,970	1,714,657	2,551	...	79
Coorg	260	2,969	...	...	...	...	...	...	...	...
North-West Frontier Province	1,722	2,429	14	...	20	...	...	...	...	...
Ajmer	583	5,045	...	...	...	2,830	11,870	...	...	...
Baluchistan	171	1,242	850	...	58	...	...	...	...	...
Madras	80,413	875,398	385,182	...	70	12,141	89,416	18,822	...	...
Bombay	26,661	63,563	190,362	456	7,019	227,229	999,293	404,406	...	4,562
Total 1933-34	404,091	1,716,836	1,432,672	17,282	13,478	355,133	2,867,964	559,182	...	4,901
„ 1932-33	387,649	1,624,324	1,287,707	25,090	13,756	343,980	2,845,991	894,731	...	5,118
„ 1931-32	374,243	1,602,721	1,458,798	42,656	11,598	351,465	2,904,143	793,971	...	4,311
„ 1930-31	428,646	1,985,282	1,812,687	25,642	12,269	340,659	2,788,569	949,521	103	2,885
„ 1929-30	506,117	2,272,384	2,031,369	45,878	15,194	428,243	3,099,178	875,249	18	4,528

* In the case of Burma and the Federated Shan States the figures indicate elephants and not camels.

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,156	3,696	...	...	19	47,373
40,992	467,898	44,294	...	1,492	6,972	40,728	62,171	...	174	1,021,624
233,563	815,489	1,016,265	1,687	38,368	4,769	25,938	3	145	363	2,726,671
111,743	255,922	...	*213	444	13,161	8,966	...	*11,022	...	427,715
4,830	3,560	...	...	...	571	...	...	*290	...	13,435
76,174	208,146	101,280	...	9	51	746	300	...	...	425,056
5,467	6,639	507	...	4	...	627	...	...	...	30,901
...	375	...	...	...	4,514	259,292	1,189	20	639	3,146,586
40	482	...	...	...	2,230	11,482	...	...	...	17,463
5,366	9,299	5,500	500	100	...	...	...	...	...	24,950
294	928	...	...	...	...	...	...	...	...	21,550
...	3,829	51,170	...	1,600	...	...	...	...	...	58,920
2,108	10,194	5,071	...	150	9,035	89,726	445	...	...	1,578,171
2,216	6,597	...	...	22	112,699	474,187	15,034	2,481	1,947	2,538,734
482,793	1,789,358	1,224,087	2,400	42,189	155,158	915,383	79,142	13,958	3,142	12,079,149
439,621	1,808,711	1,078,097	2,187	43,010	147,077	920,435	109,428	2,092	13,660	11,922,664
431,878	1,798,325	1,671,002	1,687	42,479	161,724	866,981	66,286	2,183	13,863	12,605.314
453,309	1,811,086	1,138,583	1,687	43,426	156,388	793,149	65,107	1,731	13,737	12,824,466
364,210	1,682,848	1,498,514	326	204,041	132,329	837,135	68,838	1,058	16,438	14,080,484

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STATEMENT XII.

Progress in concentrated regeneration and afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	...	2,413	...	2,413	68,469
United Provinces	5,829	1,292	435	7,556	1,05,052
Punjab	1,195	1,518	2,593	5,306	3,29,101
Burma	2,704	3,648	...	6,352	1,29,495
Federated Shan States	...	68	...	68	5,957
Bihar and Orissa	1,290	208	34	1,532	8,508
Assam	765	1,367	...	2,132	33,309
Central Provinces	67,786	1,012	7	68,805	57,263
Coorg	...	250	268	518	5,646
North-West Frontier Province	...	224	20	244	13,656
Ajmer	...	9	...	9	183
Baluchistan	...	...	...	...	...
Andamans	321	65	...	386	11,691
Madras	334	3,640	391	4,365	53,214
Bombay	58,783	27,041	1,901	87,725	67,003
Total 1933-34	1,39,007	42,753	5,649	1,87,411	8,88,547
„ 1932-33	1,38,868	21,761	2,525	1,63,154	9,00,578
„ 1931-32	64,646	61,637	3,862	1,30,145	9,49,079
„ 1930-31	not available.			1,11,258	10,16,126

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	20,376,000	4,08,382	527,000	3,034	496,000	70,464	21,399,000	4,81,880	3,140	63	748	4	144	20	2,011	45
United Provinces	31,569,000	14,97,605	22,000	47	216,000	2,572	31,807,000	15,00,224	6,090	289	5,500	11	4,320	103	6,069	286
Punjab . .	11,368,000	4,68,729	17,142,000	10,71,903	3,981,000	2,89,151	32,491,000	18,29,783	7,425	306	5,345	334	8,749	635	6,257	352
Burma . .	43,560,000	3,74,096	...	...	45,088,000	2,54,969	88,648,000	6,29,065	1,381	12	...	...	490	3	718	5
Federated Shan States.	1,852,000	19,433	...	...	1,590,000	1,47,045	3,442,000	1,66,478	581	6	...	...	28	3	58	3
Bihar and Orissa.	4,745,000	1,04,170	4,754,000	1,49,999	...	2,326	9,499,000	2,56,495	2,566	56	4,113	1,291	...	332	3,161	85
Assam .	4,498,000	1,39,143	...	...	8,016,000	4,05,011	12,514,000	5,44,154	678	21	...	...	541	27	583	25
Central Provinces	31,882,000	21,48,757	...	...	...	...	31,882,000	21,48,757	1,641	111	...	...	...	...	1,641	111
Coorg . .	224,123	21,353	94,642	256	...	...	318,765	22,109	432	42	281	8	...	...	373	25·8
North-West Frontier Province.	3,229,000	68,179	298,000	3,508	22,000	...	3,549,000	71,687	13,180	278	2,840	33	...	...	10,140	205
Ajmer . .	552,907	33,441	...	...	...	...	552,907	33,441	3,882	235	...	...	...	...	3,882	235
Baluchistan .	207,773	59,191	...	...	261,641	3	469,414	59,194	660	187	...	...	554	...	595	75
Andamans . .	162,540	2,589	...	...	3,183,455	6,014	3,345,995	8,603	3,126	50	...	...	1,490	3	1,529	4
Madras . .	19,187,000	11,17,416	282,000	1,05,967	2,344,000	3,36,905	21,813,000	15,60,188	1,213	71	330	170	...	...	1,179	75
Bombay . .	54,059,000*	18,80,616	945,000	14,770	522,000	...	55,526,000	18,95,386	4,059	141	1,089	17	...	...	3,014	134
Total 1933-34 .	227,472,343	83,43,600	24,064,642	13,49,384	65,720,096	15,14,460	317,257,081	1,13,07,444	2,144	79	3,436	193	388	9	1,122	40
,, 1932-33 .	226,566,456	87,77,479	24,216,557	13,01,182	62,024,116	9,89,048	313,707,129	1,10,67,710	2,134	83	3,356	180	426	7	1,201	42
,, 1931-32 .	220,473,833	88,70,512	23,608,528	12,90,416	61,830,177	11,66,469	305,911,538	1,13,27,397	2,081	84	3,533	193	464	9	1,344	46
,, 1930-31 .	190,580,140	94,77,594	48,851,911	12,30,411	83,420,778	18,78,849	322,852,829	1,25,86,854	1,768	88	7,900	196	615	14	1,293	50
,, 1929-30 .	208,009,450	1,11,80,123	52,796,800	14,39,022	89,357,271	24,64,800	350,163,521	1,50,83,945	1,938	104	8,383	228	658	15	1,405	60

* Includes leased forests but excludes sandalwood (175 tons scented wood and 125 tons unscented and rejected stuff).

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber,					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	490,000	6,293,000	17,000	...	6,800,000	398,000	13,519,000	682,000	...	14,599,000
United Provinces	231,000	7,520,000	32,000	949,000	8,732,000	146,000	9,043,000	159,000	13,727,000	23,075,000
Punjab	588,000	2,975,000	61,000	852,000	4,476,000	1,305,000	2,443,000	444,000	23,823,000	28,015,000
Burma	1,963,000	29,781,000	220,000	465,000	32,429,000	286,000	49,187,000	2,732,000	4,044,000	56,219,000
Federated Shan States	15,000	2,967,000	24,000	41,000	3,047,000	2,000	239,000	...	154,000	395,000
Bihar and Orissa	89,000	2,240,000	57,000	204,000	2,550,000	53,000	2,971,000	26,000	3,899,000	6,949,000
Assam	275,000	4,587,000	602,000	...	5,464,000	37,000	3,990,000	3,016,000	7,000	7,050,000
Central Provinces	4,979,000	4,465,000	342,000	...	9,786,000	6,620,000	13,861,000	1,497,000	118,000	22,096,000
Coorg	111,950	39,207	...	...	151,157	76,048	91,560	...	...	167,608
North-West Frontier Province	50,000	1,432,000	2,000	5,000	1,489,000	138,000	187,000	1,219,000	516,000	2,060,000
Ajmer	...	1,839	...	...	1,839	281,909	269,159	...	...	551,068
Baluchistan	1,390	1,503	480	...	3,373	15,543	449,978	520	...	466,041
Andamans	2,015,576	12,336	45,983	19,730	2,093,625	728,412	68,438	296,520	159,000	1,252,370
Madras	1,043,000	1,746,000	213,000	19,000	3,021,000	1,317,000	17,355,000	112,000	8,000	18,792,000
Bombay	894,000	5,941,000	113,000	304,000	7,252,000	730,000	39,311,000	11,000	8,222,000	48,274,000
Total 1933-34	12,745,916	69,961,885	1,729,463	2,858,730	87,295,994	12,133,912	152,955,135	10,195,040	54,677,000	229,961,087
,, 1932-33	15,195,912	66,815,373	1,607,193	3,109,100	86,727,578	13,788,138	148,747,053	9,251,080	55,193,280	226,979,551
,, 1931-32	14,345,863	61,486,876	1,689,097	3,074,967	80,596,803	13,193,161	150,621,556	7,382,130	54,117,888	225,314,735
,, 1930-31	17,669,862	75,918,546	1,878,673	3,666,613	99,133,694	15,591,251	146,914,124	7,970,480	53,243,280	223,719,135
,, 1929-30	21,413,337	87,246,019	1,839,366	3,642,104	114,140,826	19,219,943	154,445,552	9,335,560	52,921,640	235,922,695

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	744	1,36,740	456	...	1,37,940	...	36,123	42,561	...	78,684	8,518	2,55,171	1,567	...	2,65,256
United Provinces	288	71,439	31	7,099	78,847	452	1,84,588	41,323	3,12,364	5,38,727	4,74,520	3,50,786	41	57,303	8,82,650
Punjab	10,842	2,010	...	363	13,215	12	1,30,966	42,564	13,80,727	15,54,369	2,19,292	20,603	14	22,385	2,62,299
Burma	477	2,16,111	6,564	13,003	2,36,155	...	13,155	56,582	1,28,171	1,97,908	8,434	1,66,246	1,152	19,170	1,95,002
Federated Shan States.	3	3,255	1	637	3,896	...	3,023	6,295	4,207	13,525	547	1,46,809	20	1,675	1,49,057
Bihar and Orissa	1,052	53,335	429	5,346	60,162	...	9,006	125	1,36,870	1,46,001	1,181	42,626	152	6,373	50,332
Assam	31	49,493	11,655	...	61,179	...	33,540	42,310	119	75,969	11,669	2,71,676	1,23,661	...	4,07,006
Central Provinces	14,241	2,64,372	17,534	...	2,96,147	1,408	1,354,036	1,83,263	374	15,39,081	60,304	2,30,644	20,181	2,400	3,13,529
Coorg	167	762	4	...	923	...	858	...	136	994	...	19,361	831	...	20,192
North-West Frontier Province.	...	...	...	...	...	...	5,544	80	9,558	15,182	55,219	1,186	...	100	56,505
Ajmer	...	645	...	...	645	1,380	13,724	896	13,216	29,216	709	2,781	...	...	3,580
Baluchistan	...	...	...	...	...	...	1,161	...	53,619	54,780	773	3,236	405	...	4,414
Andamans	...	22	1,236	179	1,437	...	...	...	...	...	...	2,798	4,078	290	7,166
Madras	21,100	3,65,617	1,487	340	3,88,544	168	5,88,040	20,843	7,290	6,16,941	16,861	5,35,650	1,576	616	5,54,703
Bombay	152	94,623	4,310	50,183	1,49,268	...	7,24,755	26,246	8,35,726	15,86,727	2,871	1,17,870	2,997	36,453	1,50,391
TOTAL 1933-34	49,087	12,58,414	43,707	77,150	14,28,358	3,420	30,99,119	4,63,088	28,82,377	64,48,004	8,60,993	21,66,943	1,56,381	1,46,765	33,31,082
„ 1932-33	39,772	14,86,613	26,846	74,444	16,29,675	6,684	30,61,884	4,15,089	28,79,152	63,62,809	7,32,502	20,40,855	1,45,956	1,55,013	30,75,226
1931-32	39,814	73,59,054	26,873	75,679	15,30,920	5,690	30,84,500	3,78,199	29,01,986	63,70,375	7,65,506	23,08,508	1,70,145	1,81,643	34,26,102
„ 1930-31	34,165	14,36,385	22,193	78,038	15,70,781	14,206	33,57,991	4,07,845	32,29,547	69,09,589	11,28,136	25,55,705	2,41,101	1,81,542	41,06,484
„ 1929-30	52,562	16,63,051	30,387	83,754	18,29,754	9,114	34,94,497	2,63,111	34,18,059	72,85,381	11,36,408	39,36,367	2,68,149	6,27,877	59,68,816

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.		Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1933-34.	
		Average of 5 years 1928-29 to 1932-33.	In 1933-34.	Total.	Per ton.
1		2	3	4	5
				Rs.	Rs.
Caoutchouc, raw		8,646	7,235	31,17,681	431
Lac	Button	1,082	955	6,90,655	723
	Shell	19,542	26,454	1,94,24,939	734
	Stick, seed and other kinds	7,792	9,141	45,28,083	495
Cutch and gambier		2,036	1,562	3,75,568	240
Myrabolams		61,027	61,835	55,93,180	90
Cardamums		462	599	21,24,276	3,546
Sandal		763	988	12,50,122	1,265
Teak		36,932	26,738	61,30,661	229
Other kinds of wood and timber *		...	...	10,43,361	...
	TOTAL 1933-34	...	...	4,42,78,526	...
	,, 1932-33	...	...	2,61,08,771	...
	,, 1931-32	...	...	3,89,72,688	...
	,, 1930-31	...	...	6,91,67,627	...
	,, 1929-30	...	...	11,66,51,584	...

* Quantity not recorded.

STATEMENT XV (*a*).

Imports of timber into British India.

Year (calendar).	Imports of timber into British India.		Imports of sleepers of wood for railways into British India.	
	Cubic tons.	Rs.	Tons.	Rs.
1930	26,413	36,03,907	...	...
1931	17,948	20,31,273	...	...
1932	12,218	11,37,996	...	...
1933	18,475	15,74,950	6	612
1934	19,440	15,15,918	...	...

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,693	13,473	456	48,896	1,567	66,085
United Provinces	7,590	4,918	7,130	3,53,687	57,344	4,30,669
Punjab	61,118	10,39,547	...	...	14,46,053	25,46,718
Burma	57,310	27,063	6,565	56,582	1,151	1,48,671
Federated Shan States	4,546	...	1	6,295	26	11,168
Bihar and Orissa	22,959	39,434	5,775	1,39,549	6,525	2,14,242
Assam	38,364	24,226	11,655	44,829	1,23,661	2,42,735
Central Provinces	42,803	57,847	17,534	13,76,743	21,581	15,17,508
Coorg	...	...	4	3,848	831	4,683
North-West Frontier Province	1,411	47,056	...	9,638	100	58,
Ajmer	...	...	...	14,112	...	14,112
Baluchistan	...	...	...	53,619	405	54,024
Andamans	6,004	4,271	1,415	...	4,368	16,058
Madras	48,657	27,313	1,829	35,705	7,433	1,20,937
Bombay	1,04,502	1,54,871	54,493	8,61,972	39,150	12,14,988
TOTAL 1933-34	3,97,257	14,40,019	1,06,857	30,05,475	17,11,195	66,60,803
,, 1932-33	4,48,137	15,41,716	89,593	30,05,718	16,96,958	67,82,122
,, 1931-32	4,20,594	14,85,409	88,626	24,74,014	17,46,255	62,14,896
,, 1930-31	5,34,058	14,90,101	1,06,634	26,38,041	16,40,752	66,09,586
,, 1929-30	4,32,355	12,75,935	1,35,432	23,37,166	24,53,193	66,34,081

STATEMENT XVII.

Details of revenue and expenditure for the financial year 1933-34.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	1,70,12,325	64·7
			(b) Minor forest produce	34,62,519	13·2
			(c) Forest stamps and Commutation fees for forest produce	86,768	·3
			(d) Grazing	30,73,291	11·7
			(e) Revenue from forests not managed by Government	6,24,922	2·4
			(f) Miscellaneous	20,21,334	7·7
			Total Revenue	2,62,81,159	100·0
Expenditure	A Recurring	(a) Administration.	(i) Superior Staff	1,20,35,133	59·9
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	41,25,842	20·6
			(2) Roads and Buildings	10,52,580	5·2
			(3) Fire protection	2,14,642	1·1
			(4) Cultural operations	7,42,386	3·7
			(5) Live-stock, stores and plant	2,92,277	1·5
			(6) Working-Plans	2,50,045	1·2
			(7) Rent for leased forests	1,88,229	·9
			(8) Miscellaneous	4,57,299	2·3
		(c) Expenditure on realization of revenue from forests not managed by Government.		9,165	·0
		*(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).		7,20,594	3·6
			Total	2,00,88,192	100·0
	B Extraordinary	(e) Forest Settlement		100	·0
		(f) Forest Survey		22,117	2·2
		(g) Forest Demarcation		51,456	5·0
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		7,80,474	77·0
		(i) Share of Capital charges transferred to 8-A		1,60,052	15·8
			Total	10,14,199	100·0
			GRAND TOTAL OF EXPENDITURE	2,11,02,391	—
			Net Revenue	51,78,768	—

(Excluding Burma and Federated Shan States.)

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVII(*a*).

Details of revenue and expenditure for the financial year 1933-34.

(Burma and Federated Shan States only.)

					Rs.	Percentage of each item to total.
Gross Receipts				(*a*) Wood	75,00,023	84·8
				(*b*) Minor forest produce	5,32,424	6·0
				(*c*) Grazing	21,926	·3
				(*d*) Revenue from forests not managed by Government	1,54,514	1·8
				(*e*) Miscellaneous	6,80,667	7·1
				Total Revenue	88,39,554	100 0
Expenditure	A Recurring	(*a*) Administration.		(*i*) Superior Staff	47,68,056	78·3
				(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		
				(*iii*) Office Establishments (including Contingencies).		
		(*b*) Working		(1) Extraction	5,94,557	9·7
				(2) Roads and Buildings	1,96,772	3·2
				(3) Fire protection	27,632	·5
				(4) Live-stock, stores and plant	1,88,878	3·1
				(5) Working Plans, revision and maintenance.	...	...
				(6) Maintenance of boundaries	4,495	·1
				(7) Regeneration and improvement	1,02,777	1·7
				(8) Silvicultural Research	...	...
				(9) Utilisation Research	...	...
				(10) Other Works	...	...
				(11) Miscellaneous	2,08,686	3·4
				(12) Losses of Government commercial undertakings.	...	...
				Total	60,91,848	100·0
	B Extraordinary	(*c*) Forest Survey			669	·2
		(*d*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.			4,29,601	98·6
		(*e*) Share of capital charges transferred to 8-A			5,346	1·2
				Total	4,35,616	100·0
				GRAND TOTAL OF EXPENDITURE	65,27,464	...
				Net Revenue	23,12,090	...

(Burma and Federated Shan States only.)

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	2,16,938	5,14,770	10,41,676	11,97,799	4,368	1,39,812
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	11,83,667	36,63,850	6,05,600	68,56,574	6,29,775	11,27,488
III.—Drift and waif wood and confiscated forest produce.	...	3,391	1,703	29,530	1,87,213	372	15,345
IV.—Revenue from forests not managed by Government.	...	...	40,643	902	1,54,514	...	44,665
V.—Miscellaneous	...	1,12,394	3,18,484	2,72,000	4,56,049	52,587	1,29,388
Deduct—Refunds	...	—13,829	—22,539	—1,532	—12,595	—2,279	...
TOTAL REVENUE .	...	15,02,561	45,16,911	19,48,176	88,39,554	6,84,823	14,57,198
EXPENDITURE.							
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	1,36,292	2,92,077	4,03,304	4,66,703	1,095	61,261
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,38,515	1,26,017	2,507	96,045	20,024	57,733
III.—Drift and waif wood and confiscated forest produce.	...	1,315	380	10,194	31,809	68	458
IV.—Revenue from forests not managed by Government.	...	...	9,165	...	181	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	6,595	1,09,693	...	...	11,974
VI.—Live-stock, stores, tools and plant . .	...	58,753	47,410	4,005	1,88,873	3,526	19,086
VII.—Communications and buildings . .	...	88,395	2,12,107	47,723	1,96,772	64,621	88,026
VIII.—Demarcation, improvements and extension of forests.	...	88,250	2,58,017	1,13,428	1,79,548	29,258	38,218
IX.—Miscellaneous	...	15,629	10,553	—16,095	1,62,012	13,916	38,092
Work Advances	...	—108	...	...	—2,646	...	...
Total A.—Conservancy, Maintenance and Regeneration.	...	5,27,352	9,62,321	6,74,759	13,19,297	1,32,508	3,14,848
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	46,667	8,24,424	16,12,777 (a)	9,39,290	47,68,056	4,71,319	7,81,154
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	67,408	72,547	1,80,708	4,29,601	47,116	67,570
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	22,999	6,935	3,43,193	10,510	17,128	33,447
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	...	...	...	...
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	46,667	14,42,183	26,54,580	21,37,940	65,27,464	6,68,071	11,97,019
SURPLUS . (Excluding expenditure under E.)	...	60,378	18,62,331	...	23,12,090	16,752	2,60,179
DEFICIT .	46,667	...	...	1,89,764	...	...	...
Proportion of surplus to gross revenue . .	...	1 : 24·9	1 : 2·4	...	1 : 3·8	1 : 41	1 : 5·6
Net revenue per square mile of forest area under control of Forest Department.	...	5·7	355·3	...	12·6	5·5	12·1

(a) Includes figures of General Direction Division.

MENT XVIII.

Forest Department in India for the financial year 1933-34.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
13,99,980	3,90,623	2,01,938	43,172	4,049	13,75,393	...	12,83,638	14,78,992	92,93,143
26,49,048	32,580	1,91,019	35,118	5,427	4,264	...	17,81,266	35,80,212	2,23,45,888
1,502	...	5,187	...	59	...	...	11,638	2,943	2,58,838
1,748	...	14,392	...	7,693	...	...	4,85,507	17,868	7,67,932
3,59,756	9,818	23,477	9,968	5,112	22,047	13,055	3,98,507	3,61,050	25,44,192
—6,023	—677	—753	...	...	—640	...	—17,483	—10,975	—89,325
44,06,011	4,32,344	4,35,260	88,258	22,340	14,01,064	13,055	39,43,068	54,30,090	3,51,20,713
5,42,247	40,512	1,14,951	23,895	1,088	8,36,731	...	3,43,549	6,25,861	38,89,566
1,55,790	7	1,390	467	269	678	...	1,67,107	50,727	8,17,271
79	...	2,760	...	...	...	...	...	...	47,363
...	...	...	...	...	...	...	...	...	9,346
8,818	...	23,477	...	...	...	...	...	27,672	1,88,229
21,043	8,220	1,630	295	98	18,434	4,550	95,141	5,041	4,76,105
1,72,539	9,942	26,558	8,178	642	5,228	597	1,63,789	1,20,744	12,05,857
1,50,723	26,279	16,819	2,146	1,719	12,810	...	1,21,492	1,10,419	11,49,126
1,28,487	1,549	3,303	300	414	343	61,378	38,506	38,471	4,96,868
—6,654	...	—194	—4,278	...	—15,626	...	...	...	—29,506
11,73,072	86,509	1,90,694	30,998	4,230	8,58,593	66,525	9,29,584	9,78,935	82,50,225
19,52,780	1,06,665	1,85,684	31,434	30,718	1,85,085	5,28,806	27,36,856	21,46,107	1,73,47,822
2,14,823	12,614	20,478	...	...	...	9,059	—133	97,343	12,19,134
2,724	286	1,814	...	...	53,078	2,555	2,54,033	63,982	8,12,674
15,185	...	...	81	...	...	1,825	...	...	(b)17,091
33,43,399	2,06,074	3,98,670	62,432	34,948	10,96,756	6,06,945	39,20,340	32,86,367	2,76,29,855
10,62,612	2,26,270	36,590	25,826	...	3,04,308	...	22,728	21,43,723	74,90,858
...	...	...	...	12,608	...	5,93,890	...	...	...
1 : 4·1	1 : 1·9	1 : 11·9	1 : 3·4	...	1 : 4·6	...	1 : 173·5	1 : 2·5	1 : 4·7
54·7	264·3	104·5	181·9	...	139	...	1·4	151·1	26·5

(b) Not included in grand total of expenditure.

Revenue of the Forest Department throughout India for the 35 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . . .	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal* . . .	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	3,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces .	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab . . .	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma . . .	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam† . . .	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg . . .	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer . . .	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan . .	...	...	8,556	10,978	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans . .	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	800	420	327	473	3,034	431	...
Madras . . .	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay . . .	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL .	56,30,061	66,60,397	88,17,273	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100
Bengal	18,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529
United Provinces . . .	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	37,27,312
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399 (a)	1,96,77,824 (a)
Bihar and Orissa . . .	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	10,70,268
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756
Central Provinces and Berar .	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030
North-West Frontier Province .	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767
Ajmer	27,733	37,280	34,914	43,112	40,812	43,978	55,422	66,062
Baluchistan	17,994	25,108	17,937	22,544	17,229	14,939	22,403	20,593
Andamans . . .	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579
Forest Surveys (Imperial) .	...	...	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682
Bombay	68,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964
GRAND TOTAL .	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1933-34 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,782	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	19,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,820	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1925-26.	1926-27	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	...	Imperial.
28,56,420	31,23,841	33,19,480	31,18,357	30,52,078	23,12,049	16,94,479	15,11,717	15,02,561	Bengal.
64,26,281	58,71,303	72,01,183	61,80,391	61,79,638	49,76,118	45,28,923	45,95,584	45,16 911	United Provinces.
41,12,076 (a)	39,07,731 (a)	31,91,217 (a)	35,28,025 (a)	31,57,771 (a)	23,84,898 (a)	22,44,209 (a)	19,52,000 (a)	19,48,176 (a)	Punjab.
2,23,46,518	2,35,94,060	2,24,07,668 (b)	1,81,00,143	2,03,66,104	1,56,68,850	1,13,96,019	92,42,859	88,39,554	Burma.
10,28,592	9,43,752	9,38,760	10,97,161	9,39,275	8,11,407	6,28,013	6,18,853	6,84,823	Bihar and Orissa.
30,39,140	31,33,473	36,13,460	37,67,873	35,20,008	22,63,077	19,27,078	16,16,405	14,57,198	Assam.
49,87,409	53,21,376	50,78,160	54,46,316	59,97,508	51,11,894	44,47,111	42,90,168	44,06,011	Central Provinces and Berar.
5,38,518	4,58,145	4,93,372	5,25,636	5,72,031	3,09,073	4,85,821	3,37,323	4,32,344	Coorg.
7,44,207	7,91,166	7,56,700	8,29,377	8,64,377	8,03,902	7,31,285	7,39,710	4,35,2 0	North-West Frontier Province.
72,759	66,934	76,515	87,924	93,803	95,273	87,587	90,425	88,258	Ajmer.
23,621	27,942	29,867	23,425	29,300	29,277	27,976	25,615	22,340	Baluchistan.
8,91,029	11,70,863	14,18,062	15,00,706	20,06,813	19,37,596	14,51,463	16,22,129	14,01,064	Andamans.
1,05,697	2,74,025	1,16,167	1,06,001	1,03,866	90,605	29,092	58,960	13 055	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
51,70,520	56,23,700	53,44,431	61,54,773	64,64,825	52,69,087	42,54,874	47 38,169	39,43,068	Madras.
75,28,038	76,56,420	72,94,094	73,43,035	79,74,964	52,23,753	56,73,847	59,71,103	54,30,090	Bombay.
5,98,70,825	6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	4,72,86,859	3,96,07,777	3,74,11,020	3,51,20,715	GRAND TOTAL.

Orissa.
to Bengal.

(b) Excludes Rs. 52,151 deducted on account of Refunds.

STATE

Expenditure of the Forest Department throughout India for the 35 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial* . . .	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	88,058
Bengal† . . .	1,11,064	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces .	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab . . .	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma . . .	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡ . . .	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg . . .	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer . . .	6,197	13,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan . .	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans . .	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	33,935	28,229
Madras . . .	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay . . .	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL .	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,323	1,10,638	1,32,777	1,08,993	2,57,011	4,33,494	1,44,489	1,68,595
Bengal	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471
United Provinces . .	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	48,50,695	36,84,005
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159 (a)	96,28,313 (a)
Bihar and Orissa . . .	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853
Central Provinces and Berar .	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751
North-West Frontier Province .	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,38,713
Ajmer	26,504	28,508	47,282	37,417	41 320	39,840	49,454	49,125
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365
Forest Surveys (Imperial) . .	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459
Bombay	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317
GRAND TOTAL .	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests.
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1933-34 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,936	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,582	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,178	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,668	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883	GRAND TOTAL.

1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,18,903	1,23,858	61,661	59,361	61,498	1,93,252 (b)	59,082	45,019	46,667	Imperial.*
12,60,968	17,34,761	17,02,453	16,82,191	16,65,180	15,95,129	16,61,044	15,08,613	14,42,183	Bengal.
36,95,346	33,73,499	39,93,303	32,43,716	33,88,710	32,78,623	26,44,164	26,03,979	26,54,550	United Provinces.
27,01,510 (a)	27,03,386 (a)	29,54,874 (a)	24,93,319 (a)	29,69,197 (a)	28,01,464 (a)	21,04,402 (a)	22,09,140 (a)	21,37,940 (a)	Punjab.
86,87,943	89,40,884	88,37,858	84,24,771	78,03,595	75,61,238	66,52,310	68,64,385	65,27,464	Burma.
6,65,624	10,83,069	6,63,374	8,50,373	9,02,662	7,34,695	7,63,257	6,31,793	6,68,071	Bihar and Orissa.
15,67,983	14,47,506	14,45,767	21,22,366	22,20,302	21,16,589	16,11,208	14,10,217	11,97,019	Assam.
33,45,729	36,48,691	34,99,468	36,49,259	39,75,652	39,60,817	34,53,164	32,72,297	33,43,399	Central Provinces and Berar.
3,05,395	2,84,770	2,50,186	2,65,133	3,11,454	2,97,350	2,28,515	1,99,098	2,06,074	Coorg.
5,47,321	6,40,719	6,91,414	8,34,935	8,40,215	8,13,708	7,53,898	6,18,792	3,98,670	North-West Frontier Province.
55,161	79,728	82,854	76,355	81,200	83,821	87,684	75,153	62,432	Ajmer.
31,358	32,422	34,019	36,878	37,651	41,725	34,686	32,369	34,948	Baluchistan.
11,35,063	12,20,097	14,50,684	13,28,927	16,47,454	17,27,018	12,31,667	13,10,763	10,96,756	Andamans.
8,14,033	8,96,566	9,35,364	9,41,737	9,31,834	9,69,467	7,33,174	6,02,578	6,06,945	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
48,23,239	50,36,844	47,69,594	45,59,503	48,18,627	46,79,321	39,89,887	37,89,150	39,20,340	Madras.
42,07,626	43,59,516	43,11,781	44,92,445	46,75,278	43,51,586	40,66,782	36,23,206	32,86,367	Bombay.
3,39,63,202	3,56,06,316	3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	3,00,74,924	2,87,96,552	2,76,29,855	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

STATE

Surplus of the Forest Department throughout India for the 35 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,93,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,73,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,84[illegible]
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—86,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498	11,12,824
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240 (a)	1,00,49,511 (a)
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	11,47,903
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279
North-West Frontier Province	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,832	—4,28,093
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests.
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1933-34 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,522	3,26,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—43,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs. (b)	Rs.	Rs.	Rs.	
—1,18,903	—1,23,858	—61,661	—59,361	—61,498	—1,93,252	—59,052	—45,019	—46,667	Imperial*
15,95,452	13,89,080	16,47,027	14,36,166	13,86,898	7,16,920	33,435	3,104	60,878	Bengal.
27,30,935	24,97,804	32,07,880	29,36,675	27,90,928	16,97,495	18,84,759	19,91,605	18,62,331	United Provinces.
14,10,566 (a)	12,04,345 (a)	2,36,343 (a)	10,34,706 (a)	1,88,574 (a)	—4,16,566 (a)	1,39,807 (a)	—2,57,140 (a)	—1,89,764 (a)	Punjab.
1,36,58,575	1,46,53,176	1,35,69,810	96,75,372	1,25,57,509	81,07,612	47,43,709	23,78,474	23,12,090	Burma.
3,62,968	—1,39,317	2,75,386	2,46,788	36,613	76,712	—1,35,244	—12,940	16,752	Bihar and Orissa.
14,71,157	16,85,967	21,67,693	16,45,507	12,99,706	1,46,488	3,15,870	2,06,188	2,60,179	Assam.
16,41,680	16,72,685	15,78,692	17,97,057	20,21,855	11,51,077	9,93,947	10,17,871	10,62,612	Central Provinces and Berar.
2,33,123	1,73,375	2,43,186	2,60,503	2,60,577	11,723	2,57,306	1,38,325	2,26,270	Coorg.
1,96,886	1,50,447	65,286	—5,558	24,159	—9,806	—22,613	1,20,918	36,590	North-West Frontier Province.
17,598	—12,794	—6,339	11,569	12,603	11,452	—97	15,272	25,626	Ajmer.
—7,737	—4,480	—4,152	—13,453	—8,351	—12,448	—6,710	—6,754	—12,608	Baluchistan.
—2,44,034	—49,234	—32,622	1,71,779	3,59,359	2,19,578	2,19,796	3,11,366	3,04,308	Andamans.
—7,08,336	—6,22,541	—8,19,197	—8,35,736	—8,27,968	—8,78,862	—7,04,082	—5,43,618	—5,93,890	Forest College and Research Institute.
...	...	...	...	...	...	...•	...	...	Forest Surveys (Imperial).
3,47,281	5,86,856	5,74,837	15,95,270	16,46,198	5,89,766	2,64,987	9,49,019	22,728	Madras.
33,20,412	32,96,904	29,82,313	28,50,590	32,99,686	8,72,167	16,07,065	23,47,897	21,43,723	Bombay.
2,59,07,623	2,63,58,415	2,56,24,482	2,27,47,874	2,49,86,848	1,20,81,056	95,32,853	86,14,468	74,90,858	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATEMENT No. XX.

Forest Area by ownership (in square miles).

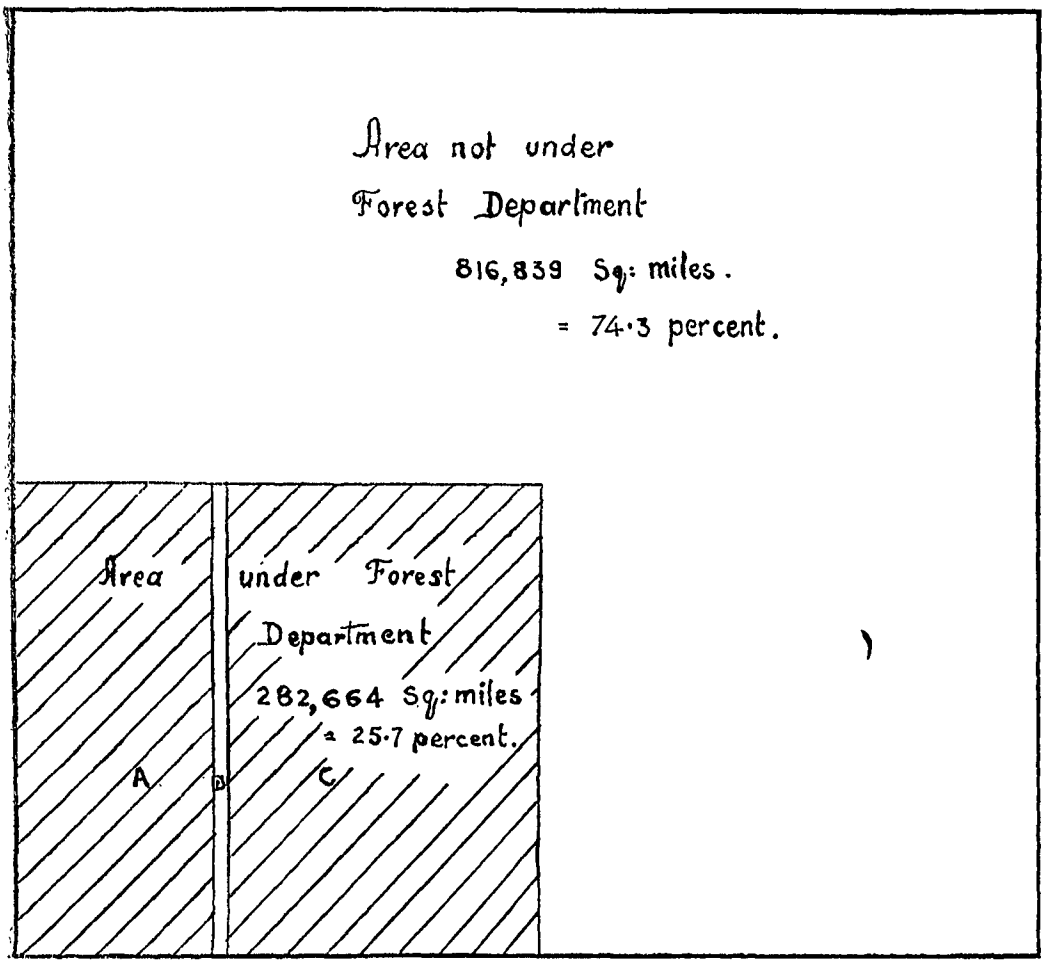
Province.	Type of Forests.	The State.			Corporate Bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forest.	Total.				
1	2	3	4	5	6	7	8	9
Bengal	Merchantable	6,995	31	7,026	...	1,654	8,680	
	Unprofitable or inaccessible	21	3,445	3,466	...	...	3,466	
United Provinces	Merchantable	3,491	700	4,191	21	1,200	5,412	
	Unprofitable or inaccessible	...	10,084	10,084	...	1,876	11,960	
Punjab	Merchantable	874	181	1,055	132	...	1,187	
	Unprofitable or inaccessible	1,161	2,977	4,138	667	...	4,805	
Burma	Merchantable	21,991	52,916	74,907	...	...	74,907	
	Unprofitable or inaccessible	6,981	41,483	48,464	...	...	48,464	
Federated Shan States	Merchantable	2,433	5,784	8,217	...	...	8,217	
	Unprofitable or inaccessible	715	50,615	51,330	...	...	51,330	
Bihar and Orissa	Merchantable	902	2,118	3,020	...	14,118	17,138	
	Unprofitable or inaccessible	...	679	679	...	...	679	
Assam	Merchantable	3,282	...	3,282	52	317	3,651	
	Unprofitable or inaccessible	2,869	15,646	18,515	...	...	18,515	
Central Provinces	Merchantable	12,221	8,176 (a)	20,397	...	16,208	36,605	
	Unprofitable or inaccessible	...	2,686 (b)	2,686	...	9,226	11,912	
Coorg	Merchantable	372	191	563	...	199	762	
	Unprofitable or inaccessible	123	139	262	...	146	408	
North-West Frontier Province.	Merchantable	180	...	180	...	35	215	
	Unprofitable or inaccessible	...	175	175	..	98	273	
Ajmer	Merchantable	100	...	100	...	...	100	
	Unprofitable or inaccessible	42	...	42	...	...	42	
Baluchistan	Merchantable	...	...	...	...	...	...	
	Unprofitable or inaccessible	...	788	788	...	...	788	
Andamans	Merchantable	2,055	...	2,055	..	...	2,055	
	Unprofitable or inaccessible	134	...	134	...	...	134	
Madras	Merchantable	4,171	6,890	(c) 11,061	...	5,482	16,543	
	Unprofitable or inaccessible	2,338	5,588	(c) 7,926	...	14,389	22,315	
Bombay	Merchantable	7,642	1,103	(d) 8,745	...	165	8,910	
	Unprofitable or inaccessible	...	5,440	(d) 5,440	...	...	5,440	
Total	Merchantable	66,709	78,090	1,44,799	205	39,378	1,84,382	
	Unprofitable or inaccessible	14,384	1,39,745	1,54,129	667	25,735	1,80,531	
	GRAND TOTAL	81,093	2,17,835	2,98,928	872	65,113	3,64,913	
	Percentage of total Forest Area	22·2	59·7	81·9	0·2	17·9	...	

(a) Includes 2,485 square miles of Ryotwari Forests.
(b) Includes 1,168 square miles of Ryotwari Forests.
(c) Includes 3,335 square miles of Ryots Forests but excludes 621 square miles of reserved and leased lands.
(d) Includes 2,279 square miles of reserved and protected Forests not under the management of the Forest Department.

APPENDIX 1.

STATISTICAL DIAGRAMS RELATING TO FOREST ADMINISTRATION IN BRITISH INDIA.

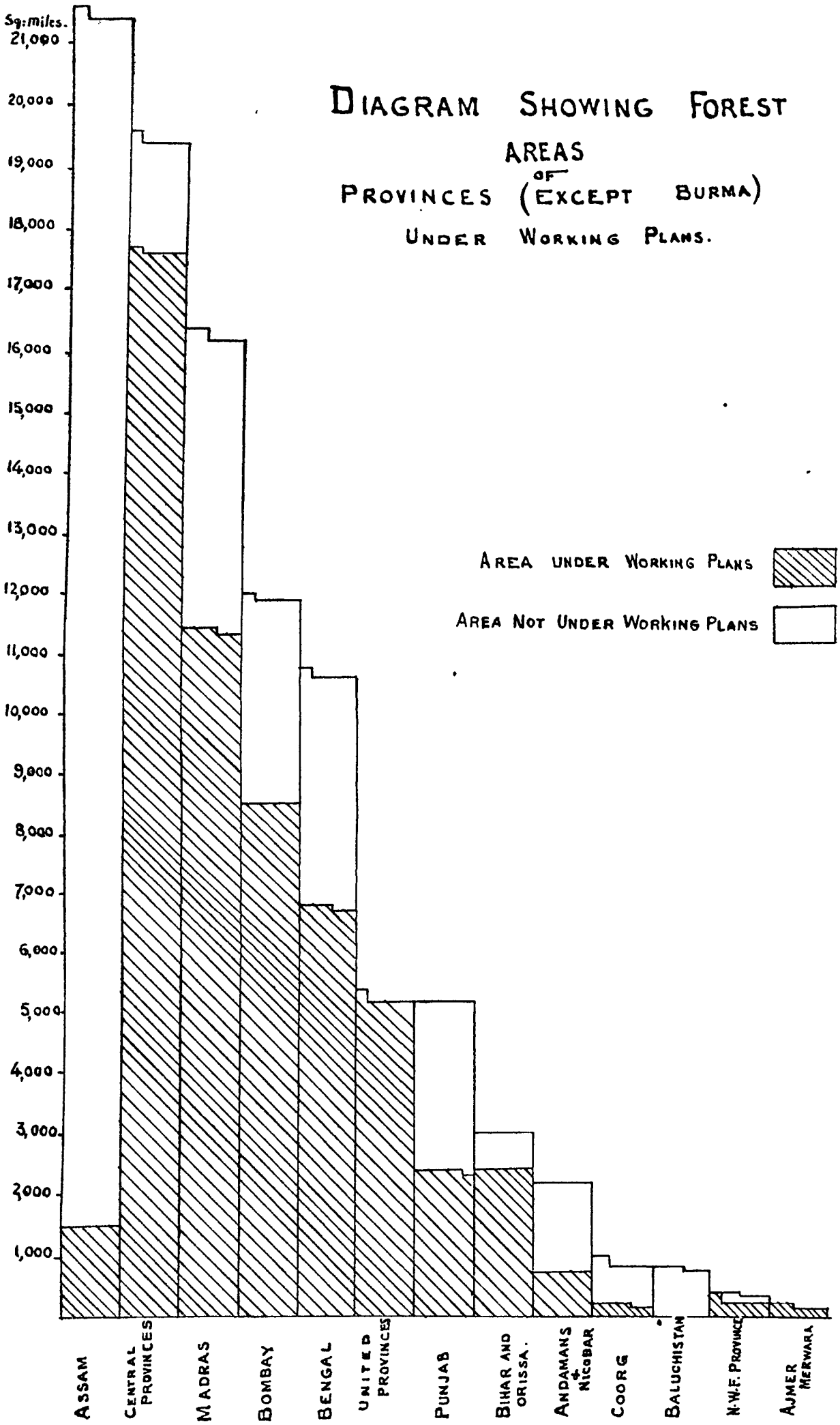
Area under the control of the Forest Department compared with total area of British India (including the Shan States).



A. Reserved Forests 106,079 Sq. miles.
B. Protected „ 7,003 „ „
C. Unclassed „ 169,582 „ „

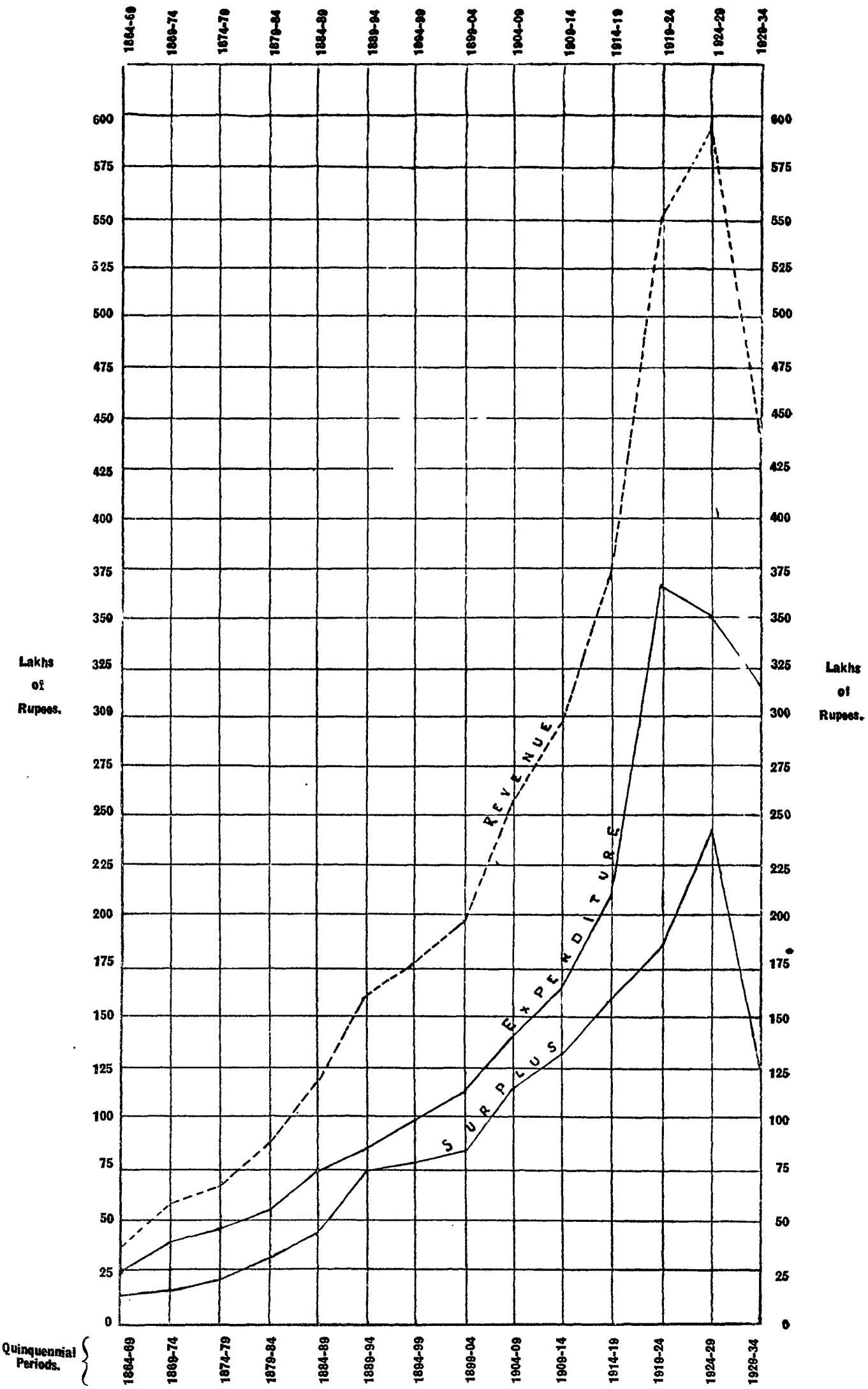
APPENDIX 2.

DIAGRAM SHOWING FOREST AREAS OF PROVINCES (EXCEPT BURMA) UNDER WORKING PLANS.



APPENDIX 3.

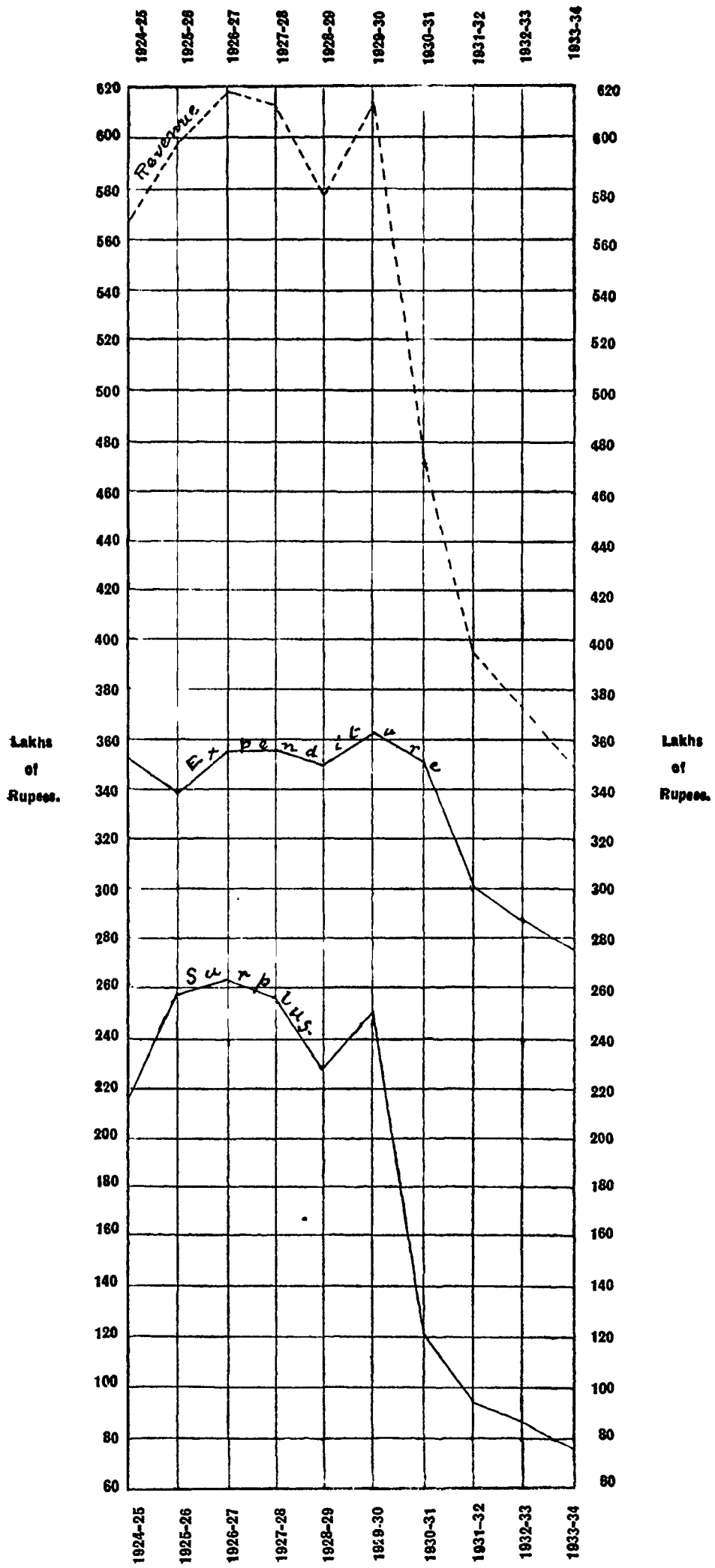
GROWTH OF FOREST REVENUE AND EXPENDITURE BY QUINQUENNIAL PERIODS SINCE 1864-69.



APPENDIX 4.

DIAGRAM SHOWING ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS

for the 10 years 1924-25 to 1933-34.



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APPENDIX.

Diagram showing annual Forest Revenue, Expenditure and Surplus for the 10 years 1925-26 to 1934-35.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,960	6,471	742	3,445	10,658	13·8	
United Provinces	106,014	5,183	4	53	5,240	4·9	
Punjab	95,315	(a) 1,527	(b) 3,207	(c) 454	5,188	5·4	(a) Includes 345 square miles of leased forests, but excludes 591 square miles not under the control of Forest Department.
							(b) Excludes 62 square miles not under the control of Forest Department.
Burma	182,900	31,608	...	91,577	123,185	64·1	(c) Excludes 235 square miles of civil forest and village forest lands.
Federated Shan States	60,615	3,185	..	(d) 55,327	58,512	95·9	(d) Excludes 1,035 square miles transferred from the control of the Forest Department to the control of Civil Authorities.
Bihar and Orissa	83,028	(e) 1,874	(f) 1,092	(g) 8	2,974	3·6	(e) Includes 25 square miles belonging to private estates under the management of Forest Department and excludes 277 square miles belonging to private individuals under their own management.
Assam	55,445	6,645	...	14,860	21,505	38·8	(f) Includes 21 square miles of private estate forests under the management of Forest Department. Excludes 797 square miles under the Civil Department and 102 square miles belonging to private estates under the management of owners.
Central Provinces (including Berar).	99,957	19,410	...	...	19,410	19·4	(g) Excludes 81 square miles belonging to private individuals under negotiation with a view to reservation or protection.
Coorg	1,593	519	337	...	856	54·1	
North-West Frontier Province.	13,183	265	...	...	265	2·0	
Ajmer-Merwara	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	54,228†	342	...	472	814	1·7	
Andamans and Nicobar	3,143†	52	...	2,137	2,189	87·3	
Madras	142,221	15,708	(h) 691	...	16,399	11·5	(h) The figure in column 4 represents reserved land and leased forests.
Bombay (including Sind)	123,272	13,309	865	...	(i) 14,174	11·5	(i) Includes 2,273 square miles of reserved and protected forests not under the management of the Forest Department.
Total 1934-35	1,100,641*	106,240	6,938	168,333	281,511	25·5	
,, 1933-34	1,099,503	106,079	7,003	169,582	282,664	25·7	
,, 1932-33	1,099,511*	106,179	7,212	147,828	261,219	23·7	
,, 1931-32	1,101,902*	105,960	6,682	133,189	245,831	22·3	
,, 1930-31	1,102,595‡	107,753	6,263	135,694	249,710	22·6	

* Excluding Delhi Province.

† Figures taken from Census Report of 1931.

‡ Excluding Delhi Province and Manpur Pargana. The latter has ceased to be a British province since 1931-32.

STATEMENT II.

Progress made in Forest Settlements during the year 1934-35.

Province.	Area in square miles.			Cost during year.		*Entire cost per square mile of areas finally settled.*
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	5	8	51	...	...	...
United Provinces	...	...	...	...	...	...
Punjab	...	7	...	...	...	...
Burma	182	363	...	175	...	...
Federated Shan States	...	...	...	...	...	...
Bihar and Orissa	45	93	55	...	...	...
Assam	22	25	40	...	...	...
Central Provinces	...	...	2	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	20	...	1	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	...	...	...	...	...
Andamans	...	52	...	...	...	...
Madras	50	286	101	...	...	...
Bombay	86	43	22	...	...	...
Total 1934-35	310	877	272	175	...	...
1933-34	179	950	160	53	...	...
1932-33	653	1,757	280	571	...	...
1931-32	1,643	3,975	456	21,066	...	...
1930-31	530	4,242	512	10,088	...	...

STATEMENT III.

Demarcation and Maintenance of Boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
		Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	405	1,010	2,442	3,857	34	1,386	5,277	524	7,452
United Provinces .	...	2,919	5,759	8,678	2	2,884	11,564	1,135	13,019
Punjab . . .	...	2,124	6,711	8,835	1	1,268	10,104	...	7,338
Burma . . .	66	1,624	15,819	17,509	321	3,955	21,785	1,304	12,690
Federated Shan States	...	151	1,176	1,327	...	596	1,923	...	1,159
Bihar and Orissa .	342	3,783	1,074	5,216	...	365	5,581	762	3,452
Assam . . .	3	1,289	1,463	2,755	102	2,711	5,568	...	8,266
Central Provinces .	2	3,923	26,909	30,834	...	3,510	34,344	28	7,647
Coorg . . .	...	27	442	469	...	67	536	...	654
North-West Frontier Province.	...	255	563	818	...	139	957	...	1,881
Ajmer . . .	12	6	222	239	...	158	397	158	27
Baluchistan . .	...	230	230	460	...	77	537	...	127
Andamans . .	...	...	...	...	36	23	59	...	...
Madras . . .	163	19,235	3,198	19,235	3,361	2,267	24,863	3,437	9,792
Bombay . . .	161	25,119	13,873	38,153	52	2,627	40,832	1,262	2,492
Total 1934-35 .	1,161	61,705	78,881	138,385	3,909	22,033	164,327	8,610	75,996
Total 1933-34 .	1,180	62,511	80,072	143,763	3,033	21,953	168,749	19,414	77,102
Total 1932-33 .	759	61,613	80,999	143,371	1,202	21,823	166,396	18,991	73,217
Total 1931-32 .	771	57,263	85,085	143,119	1,422	21,555	166,096	17,630	62,692
Total 1930-31 .	1,152	61,980	79,318	142,486	731	21,462	164,679	32,161	1,08,440

STATEMENT IV.

Forest Survey Operations from 1st April 1934 to 31st March 1935.

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
		1" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1934-35.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Andamans	...	...	...	...	...	...	...	...	527·00	.....	
Assam	...	...	...	...	...	...	...	...	5,891·62	.....	
Baluchistan	...	...	...	...	...	...	...	...	249·90	.....	
Bengal	Chittagong Hill Tracts	34·44	...	...	...	...	...	(a) 34·44	5,574·91	.....	(a) Ordinary surveys not paid for by Forest Department.
Bihar and Orissa.	...	...	...	...	...	...	...	...	2,553·42	.....	
Bombay	...	...	...	...	...	...	...	...	13,232·90	.....	
Burma	Arakan	173·52	...	...	...	...	...	(b) 173·52	28,398 05	.....	(b), (c), (d), Cost of surveys not debitable to "Forests".
	Minbu	174·76	...	...	...	...	...	(c) 174·76			
	Yaw	0·64	...	...	...	...	...	(d) 0·64			
Central Provinces.	...	...	...	...	...	...	...	...	19,636·80	.....	
Coorg	...	...	...	...	...	...	...	...	478·00	.....	

STATEMENT IV—*contd.*

Forest Survey Operations from 1st April 1934 to 31st March 1935—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1st Detail survey. Area.	1st Detail survey. Cost rate.	2nd Detail survey. Area.	2nd Detail survey. Cost rate.	4th Detail survey. Area.	4th Detail survey. Cost rate.	Total area of detail survey. 1934-35.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
India . .	...	...	...	...	...	...	...	...	...	.....	
Madras . .	...	...	...	...	...	...	...	...	18,216·57	.....	
N.-W. F. P.	...	...	...	...	...	...	...	...	465·00	.....	
Punjab . .	...	...	...	...	...	...	...	...	4,385·00	.....	
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
											Contributions to Forest Map Office by Provincial and Central Governments (after emergency cut).
										Rs. A. P.	Rs.
TOTAL 1934-35	1st April 1934 to 31st March 1935.	383·36	...	...	...	...	...	383·36	106,923·41	.....	40,520
„ 1933-34	1st April 1933 to 31st March 1934.	960·73	...	...	...	...	...	960·73	106,540·05	.....	40,560
„ 1932-33	1st April 1932 to 31st March 1933.	402·55	...	...	...	...	...	402·55	105,579·32	.....	41,992
„ 1931-32	1st April 1931 to 31st March 1932.	478·54	...	...	...	3·79	...	482·33	105,176·77	8,826 0 0	46,000
„ 1930-31	1st April 1930 to 31st March 1931.	...	...	...	...	362·23	...	362·23	104,694·44	2,58,901 0 0	46,000

STATEMENT V.

Progress made in Working Plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.		Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,763	7	...	6,770	63·5	...	245	3,643	10,658	...	...	105	48
United Provinces	5,304	1	2	5,203	99·3	13	2	22	5,240	...	2,302	116	80,326
Punjab	(a) 2,273	23	1	2,295	44·2	113	1	2,779	5,188	...	1,282	54	3,233
Burma	24,957	160	125	25,022	79·2	1,631	668	4,287	31,608	...	6,718	...	...
Federated Shan States	1,373	...	...	1,373	43·1	284	...	1,528	3,185	...	1,292	...	...
Bihar and Orissa	2,394	...	...	2,394	80·7	58	10	504	2,966	327	525	442	3,088
Assam	1,512	360	...	1,872	8·7	610	1,955	17,087	21,524	...	8	...	...
Central Provinces	17,616	805	30	18,391	94·8	42	5	972	19,410	1,121	4,162	1,649	57,561
Coorg	169	...	...	169	32·6	...	...	350	519	...	...	...	...
North-West Frontier Province.	245	...	...	245	92·5	...	20	...	265	97	35	...	...
Ajmer	142	...	...	142	100·0	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	814	814	...	...	...	...
Andamans	708	...	...	708	32·3	...	...	1,481	2,189	...	708	...	11,956
Madras	11,065	728	...	11,793	71·9	3,622	...	984	16,399	...	...	...	...
Bombay	8,491	9	6	8,494	69·1	987	279	2,537	(b) 12,297	1,253	2,869	68	5,435
TOTAL 1934-35	82,942	2,093	164	84,871	64·1	7,360	3,185	36,988	132,404	2,798	19,901	2,434	1,61,647
,, 1933-34	82,561	1,873	1,087	83,347	63·04	6,161	6,259	36,461	132,208	1,376	16,209	1,541	2,09,361
,, 1932-33	79,477	3,891	754	82,614	62·3	6,262	6,992	35,842	132,559	1,759	11,421	8,476	1,23,643
,, 1931-32	76,134	4,235	711	79,658	59·2	8,818	10,397	35,673	134,546	1,198	15,825	3,145	2,01,574
,, 1930-31	74,262	2,015	115	76,162	57·5	12,632	11,192	32,489	132,475	1,718	16,899	1,286	1,24,951

(a) Previous figures corrected.

(b) Excludes 1,877 square miles not under the management of the Forest Department.

STATEMENT VI.

Expenditure on Communications and Buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	12,690	500	37,100	33,778	10,859	94,927
United Provinces	23,300	8,641	81,226	98,356	17,409	2,28,932
Punjab	22,113	7,141	22,966	21,327	6,245	(a) 79,792
Burma	833	126	64,756	1,01,198	4,919	1,71,832
Federated Shan States	...	...	1,393	1,674	317	3,384
Bihar and Orissa	3,176	3,363	25,625	31,217	(b) 4,165	67,546
Assam	23,212	1,482	36,655	53,026	16,039	1,30,414
Central Provinces	...	347	61,020	1,02,253	9,806	1,73,426
Coorg	173	661	3,598	3,911	1,503	9,846
North-West Frontier Province	6,046	4,098	7,139	15,400	1,661	34,344
Ajmer	...	238	552	791	45	1,626
Baluchistan	...	...	1,050	50	46	1,146
Andamans	2,222	...	7,354	442	(c) 3,775	14,793
Madras	16,461	19,180	65,288	86,354	4,798	1,92,081
Bombay	38,543	8,127	24,547	92,978	7,954	1,72,149
Total 1934-35	1,49,769	53,904	4,40,269	6,42,755	89,541	13,76,238
„ 1933-34	99,915	60,715	4,43,297	6,53,535	98,855	13,56,317
„ 1932-33	1,01,867	1,07,650	4,28,683	6,94,264	1,06,801	14,39,267
„ 1931-32	1,67,776	1,74,839	4,42,278	7,78,561	1,55,362	17,18,907
„ 1930-31	30,23,437	21,98,826	4,75,776	7,63,718	3,39,036	68,00,793

(a) Excludes Rs. 15,074 on account of cost and carriage of material, pay of temporary establishment and interest and maintenance charges on Ry. B. G. siding, Chichawatni.

(b) Includes Rs. 620 spent on new works.

(c) Repairs.

STATEMENT VII.

Breaches of Forest Rules.

Province.	Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	199	3	566	43	95	707	906	535	1,366	36	75	571	1,441	313
Bengal . . B.	245	8	2,574	2,076	1,415	6,073	6,318	6,100	10,800	29	70	6,129	10,870	187
Bengal . . C.	...	47	258	7	39	351	351	...	...	...	...	...	...	...
Bengal . . Total	444	58	3,398	2,126	1,549	7,131	7,575	6,635	12,166	65	145	6,700	12,311	500
United Provinces. A.	56	10	44	10	41	105	161	72	196	19	29	91	225	70
United Provinces. B.	824	103	1,988	1,930	1,095	5,116	5,940	4,749	13,088	467	1,037	5,216	14,135	724
United Provinces. C.	...	225	116	27	51	419	419	...	...	...	...	...	...	...
United Provinces. Total	880	338	2,148	1,967	1,187	5,640	6,520	4,821	13,294	486	1,066	5,307	14,360	794
Punjab . . A.	805	19	955	478	261	1,713	2,518	1,138	2,002	128	306	1,266 (a)	2,308	1,004
Punjab . . B.	530	68	8,135	4,613	3,117	10,833	11,363	10,806	14,671	16	21	10,822	14,692	541
Punjab . . C.	...	98	52	12	55	217	217	...	...	...	...	...	...	...
Punjab . . Total	1,335	185	4,142	5,003	3,433	12,763	14,098	11,944	16,673	144	327	12,088	17,000	1,545
Burma . . A.	684	2	1,075	58	214	1,349	1,983	1,452	2,011	184	421	1,636	2,432	...
Burma . . B.	1,321	1	9,238	354	1,953	11,546	12,767	10,836	13,092	...	...	10,836	13,092	...
Burma . . C.	...	...	89	...	18	107	107	...	...	...	...	...	...	...
Burma . . Total	1,855	3	10,402	412	2,185	13,002	14,857	12,288	15,103	184	421	12,472	15,524	...
Federated Shan States. A.	13	...	2	...	3	5	18	16	21	...	...	16	21	...
Federated Shan States. B.	26	...	149	10	49	208	234	116	150	...	...	116	150	...
Federated Shan States. C.	1	...	1	...	...	1	2	...	...	...	...	...	...	...
Federated Shan States. Total	40	...	152	10	52	214	254	132	171	...	...	132	171	...
Bihar and Orissa A.	79	14	312	71	93	490	569	392	1,343	77	316	469	1,659	100
Bihar and Orissa B.	238	9	3,401	688	266	4,364	4,602	4,285	11,830	58	148	4,343	11,978	259
Bihar and Orissa C.	...	149	24	...	...	173	173	...	...	...	...	...	...	...
Bihar and Orissa Total	317	172	3,737	759	359	5,027	5,344	4,677	13,173	135	464	4,812	13,637	359
Assam . . A.	158	1	216	43	141	401	559	289	757	60	155	349	912	210
Assam . . B.	243	...	1,051	119	516	1,686	1,929	1,442	3,157	78	204	1,520	3,361	409
Assam . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam . . Total	401	1	1,267	162	657	2,087	2,488	1,731	3,914	138	359	1,869	4,273	619
Central Provinces. A.	75	22	104	175	54	355	430	256	653	87	312	343	965	87
Central Provinces. B.	5,694	269	12,304	11,830	1,743	26,146	29,840	23,905	61,283	1,654	3,312	25,559	64,595	4,281
Central Provinces. C.	...	378	1,247	125	55	1,805	1,805	...	...	...	...	...	...	...
Central Provinces. Total	3,769	669	13,655	12,130	1,852	28,306	32,075	24,161	61,936	1,741	3,624	25,902	65,560	4,368
Coorg . . A.	4	1	...	...	3	4	8	7	26	1	12	8	38	...
Coorg . . B.	...	...	7	31	7	45	45	45	74	...	...	45	74	...
Coorg . . C.	...	...	1	...	...	1	1	...	...	1	1	1	1	...
Coorg . . Total	4	1	8	31	10	50	54	52	100	2	13	54	113	...
North-West Frontier Province. A.	752	2	301	166	264	733	1,485	498	1,085	58	211	556	1,296	913
North-West Frontier Province. B.	671	1	531	1,384	874	2,790	3,461	2,588	3,521	...	...	2,588	3,521	775
North-West Frontier Province. C.	...	25	...	1	...	26	26	...	...	...	...	...	...	...
North-West Frontier Province. Total	1,423	28	832	1,551	1,138	3,549	4,972	3,086	4,606	58	211	3,144	4,817	1,688

(a) Excludes 248 cases withdrawn and filed.

STATEMENT VII—*contd.*

Breaches of Forest Rules—*contd.*

Province.		Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	20	2	38	106	12	158	178	131	209	4	6	135	215	43
	B.	...	23	868	1,770	52	2,713	2,713	2,713	??	...	...	2,713	5,098	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	20	25	906	1,876	64	2,871	2,891	2,844	5,307	4	6	2,848	5,313	43
Baluchistan	A.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	B.	14	1	59	260	11	331	345	338	445	2	5	340	450	5
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	14	1	59	260	11	331	345	338	445	2	5	340	450	5
Andamans	A.	...	...	1	...	...	1	1	1	1	...	...	1	1	...
	B.	...	...	7	...	...	7	7	7	7	...	...	7	7	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	8	...	...	8	8	8	8	...	...	8	8	...
Madras	A.	3,279	118	7,309	1,516	546	9,489	12,768	4,373	10,086	5,716	12,288	10,089	22,824	2,679
	B.	3,787	119	11,871	3,062	1,707	16,759	20,546	13,567	26,865	2,923	5,526	16,490	32,391	4,056
	C.	...	1,399	562	14	19	1,994	1,994	...	...	...	...	...	...	...
	Total	D.7,066	1,636	19,742	4,592	2,272	28,242	35,308	17,940	36,901	8,639	17,814	26,579	54,715	E.6,735
Bombay	A.	108	10	132	73	59	274	382	236	534	29	77	265	611	117
	B.	1,713	181	10,762	7,062	2,958	20,963	22,676	20,896	47,441	...	...	20,896	47,441	1,780
	C.	78	1,871	1,532	25	42	3,470	3,548	...	...	...	...	...	...	...
	Total	1,899	2,062	12,426	7,160	3,059	24,707	26,606	21,132	47,975	29	77	21,161	48,052	1,897
Grand Total	A.	6,182	204	11,055	2,739	1,786	15,784	21,966	9,396	20,240	6,399	14,208	15,795	34,448	5,536
	B.	13,206	783	57,945	35,089	15,763	109,580	122,786	102,393	211,532	5,227	10,323	107,620	221,855	13,017
	C.	79	4,192	3,882	211	279	8,564	8,643	...	...	1	1	1	1	...
Total, 1934-35		19,467	5,179	72,882	38,039	17,828	133,928	153,395	111,789	231,772	11,627	24,532	123,416	256,304	18,553
„ 1933-34		20,885	4,576	71,727	38,729	16,884	131,916	150,922	111,477	233,308	10,139	23,054	121,616	256,362	20,191
„ 1932-33		18,177	5,126	70,315	36,577	16,835	128,853	147,030	104,473	211,227	10,483	24,202	114,956	235,429	18,406
„ 1931-32		17,985	4,947	63,399	36,628	13,790	118,764	136,749	99,775	207,057	9,825	20,864	109,600	227,921	17,677
„ 1930-31		12,280	4,547	58,756	33,620	13,622	110,545	125,052	89,782	191,845	7,871	18,895	97,653	210,740	16,784

D. Revised figures adopted.
E. Excludes cases under C.

STATEMENT VIII.

Area protected from Fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1933-34.	1934-35.	
1	2	3	4	5	6	7
Bengal	1,758	1,752	27·2	1·1	0·3	
United Provinces	4,419	4,272	84·3	4·9	3·3	
Punjab	922	916	60 0	2·56	0·73	
Burma	127	121	0·4	6·4	4·4	
Federated Shan States	3	1	0·1	18·6	4·4	
Bihar and Orissa	1,934	1,577	95·1	9·2	18·5	
Assam	25	24	0 36	13·3	0·8	
Central Provinces	14,401	13,692	74·2	4·2	4·9	
Coorg	230	228	44·0	1·4	0·97	
North-West Frontier Province	148	143	55·84	3·82	3·03	
Ajmer	142	140	99·38	0·33	1·10	
Madras	5,039	4,604	32·0	6·51	8·63	
Bombay	8,724	8,223	73·0	5·9	5·7	
Total 1934-35	37,872	35,693	42·1	4·7	4·9	
„ 1933-34	48,513	46,283	42·9	4 9	4·6	
„ 1932-33	46,843	44,879	42·3	4·7	4·2	
„ 1931-32	46,271	43,236	40·8	4·3	6 5	
„ 1930-31	45,838	43,362	40·7	3·9	4·3	

STATEMENT IX.

Causes of Forest Fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.
Bengal	...	...	3	...	19	2	2	...	20	3	44	5
United Provinces	39	3	84	32	150	27	29	20	132	65	434	147
Punjab	3	...	18	4	126	2	42	2	4	...	193	8
Burma	11	2	10	...	15	2	1	...	23	1	60	5
Federated Shan States	...	...	...	...	...	...	...	...	6	...	6	...
Bihar and Orissa	2	1	32	33	17	10	14	9	211	341	276	394
Assam	...	...	...	...	3	...	15	220	...	...	18	220
Central Provinces	49	7	135	113	169	109	26	24	703	456	1,082	709
Coorg	2	...	...	...	1	...	...	...	8	2	11	2
North-West Frontier Province	...	...	3	1	2	...	15	4	8	...	28	5
Ajmer	1	...	2	...	...	...	...	...	...	...	3	...
Baluchistan	...	...	...	...	1	...	...	...	...	...	1	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	69	10	256	204	1,037	450	169	106	1,100	448	2,631	1,218
Bombay	31	3	117	25	608	201	270	39	1,035	255	2,061	523
TOTAL 1934-35	207	26	660	412	2,148	803	583	424	3,250	1,570	6,848	3,236
„ 1933-34	246	339	533	944	2,029	683	390	309	2,733	4,074	5,930	6,349
„ 1932-33	186	393	550	424	1,600	2,713	721	766	2,503	4,974	5,560	9,270
„ 1931-32	156	83	640	1,337	1,820	4,930	837	8,117	2,860	2,079	6,313	16,535
„ 1930-31	144	146	509	304	1,358	332	675	457	2,600	838	5,286	2,077

STATEMENT X.

Area closed and open to Grazing.

Area in square miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6.).
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,233	...	4,299	...	63	63	10,658
United Provinces	1,963	47	2,280	21	854	75	5,240
Punjab	459	33	4,102	128	358	108	5,188
Burma	24,108	...	91	220	2,644	4,545	123,185
Federated Shan States	2,306	...	...	...	743	136	58,512
Bihar and Orissa	657	...	519	42	1,384	365	2,974*
Assam	5,160	...	14,744	...	1,601	...	21,505
Central Provinces	2,138	251 (a)	3,066	...	13,955	(a) 187	19,410
Coorg	80	439	...	...	...	439	856
North-West Frontier Province	66	...	8	...	191	...	265
Ajmer	60	79	3	...	...	79	142
Baluchistan	91	...	502	218	3	...	814
Andamans	52	...	...	...	358	...	2,189
Madras	1,708	282	...	...	14,406	3	16,399
Bombay	1,463	322	2,891	...	9,480	17	14,174
TOTAL 1934-35	46,544	1,453	32,505	629	46,040	6,017	2,81,511
1933-34	47,344	1,393	43,826	382	80,915	9,232	2,82,644
1932-33	47,552	1,441	43,055	475	84,430	11,494	2,61,219
1931-32	46,629	1,337	46,989	488	31,408	5,640	2,45,831
1930-31	45,177	1,223	47,294	487	31,256	5,695	2,49,710

* Includes 8 sq. miles of unclassed forests not accounted for grazing.

(a) Common.

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	3,214	39,851	234	...	53	82	2,023	...	...	8
United Provinces	53,531	144,204	101,724	1,658	1,926	6,981	29,930	25,570	...	15,570
Punjab	8,341	11,887	410,269	34,677	155	1,244	12,990	28,630	...	336
Burma	3,062	56,315	2,173	130	86	...	...	...	...	...
Federated Shan States	2,891	756	...	...	506	...	...	...	...	...
Bihar and Orissa	3,076	14,501	1,205	...	...	3,539	10,642	...	...	...
Assam	9,304	6,600	5	...	102	493	...	...	...	...
Central Provinces	208,418	508,786	299,261	21	4,542	101,923	1,740,261	444	...	48
Coorg	443	2,951	...	...	...	...	...	...	...	...
North-West Frontier Province	1,437	2,587	24	...	19	...	...	...	...	...
Ajmer	571	3,973	...	...	6	3,084	12,785	...	...	1
Baluchistan	474	4,279	34,130	678	606	...	...	...	...	...
Madras	81,404	878,667	388,341	...	64	11,887	87,926	19,703	...	...
Bombay	26,559	64,743	149,812	285	7,437	223,149	995,246	380,285	...	5,223
Total 1934-35	402,725	1,740,100	1,387,178	37,449	15,502	352,382	2,891,803	454,632	...	21,186
„ 1933-34	404,091	1,716,836	1,432,672	17,282	13,478	355,133	2,867,964	559,182	...	4,901
„ 1932-33	387,649	1,624,324	1,287,707	25,090	13,756	343,980	2,845,991	894,731	...	5,118
„ 1931-32	374,243	1,602,721	1,458,798	42,656	11,598	351,465	2,904,143	793,971	...	4,311
„ 1930-31	428,646	1,985,282	1,812,687	25,642	12,269	340,659	2,788,569	949,521	103	2,885

* In case of Burma and the Federated Shan States the figures indicate elephants and not camels.

MENT XI.

from Cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,316	3,915	19	...	10	50,725
40,706	464,641	43,057	...	1,386	6,914	40,982	62,113	...	179	1,041,072
233,271	822,133	1,028,095	1,687	38,367	4,667	28,989	15	19	375	2,666,147
89,222	210,643	...	567	508	13,642	8,731	699	*8,599	60	394,437
4,314	2,918	...	...	...	415	...	...	*218	...	12,018
75,320	239,984	99,373	...	12	44	615	310	...	...	448,621
29	88	...	...	...	6,397	8,620	207	...	53	31,893
...	375	...	...	...	1,718	250,146	802	...	232	3,116,977
41	607	...	...	...	2,735	13,063	...	...	...	19,840
5,836	9,299	5,500	500	100	...	...	...	...	...	24,833
388	1,924	...	...	...	...	...	...	...	...	22,732
...	4,009	61,754	...	1,877	...	...	7,320	...	...	115,127
1,985	8,023	5,112	...	...	10,814	79,194	1,064	...	...	1,574,184
2,404	5,433	...	...	17	100,602	448,270	12,702	2,613	1,941	2,426,021
453,046	1,770,077	1,242,891	2,754	42,267	149,264	882,525	84,551	11,449	2,850	11,944,631
482,793	1,789,358	1,224,087	2,400	42,189	155,158	915,383	79,142	13,958	3,142	12,079,149
439,621	1,808,711	1,078,097	2,187	43,010	147,077	920,435	109,428	2,092	13,660	11,922,664
431,878	1,798,325	1,671,002	1,687	42,479	161,724	866,981	63,286	2,183	13,863	12,635,314
453,309	1,811,086	1,138,583	1,687	43,426	156,388	793,149	65,107	1,731	13,737	12,824,486

STATEMENT XII.

Progress in concentrated Regeneration and Afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	...	2,256	...	2,256	56,985
United Provinces	299	6	...	305	1,16,937
Punjab	1,991	1,619	1,437	5,047	3,20,894
Burma	1,911	1,959	...	3,870	89,147
Federated Shan States	140	...	...	140	5,007
Bihar and Orissa	1,129	890	40	2,060	8,405
Assam	1,128	1,950	...	3,078	47,622
Central Provinces	77,323	709	...	78,032	56,298
Coorg	...	268	300	568	9,019
North-West Frontier Province	689	154	10	853	14,326
Ajmer	...	20	...	20	109
Baluchistan	...	...	...	...	...
Andamans	621	...	...	621	6,459
Madras	24,829	4,404	150	29,383	52,645
Bombay	61,571	26,378	6,099	94,048	66,637
Total 1934-35	1,71,631	40,613	8,036	2,20,281	8,50,490
„ 1933-34	1,39,007	42,753	5,649	1,87,411	8,88,547
„ 1932-33	1,38,868	21,761	2,525	1,63,154	9,00,578
„ 1931-32	64,646	61,637	3,862	1,30,145	9,49,079
„ 1930-31	Not available.			1,11,258	10,16,126

STATEMENT XIII.

Outturn of Forest Produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	20,253,000	3,66,667	1,537,000	3,169	709,000	68,159	22,499,000	4,57,995	3,130	60	2,071	4	206	20	2,111	43
United Provinces	32,858,000	15,89,763	28,000	519	180,000	2,450	33,066,000	15,92,732	6,340	307	7,000	130	3,400	46	6,310	304
Punjab . .	(a) 12,397,000	(b) 4,71,731	17,598,000	10,63,739	3,099,000	2,95,735	33,094,000	18,31,205	8,119	303	5,487	332	8,808	651	6,552	353
Burma . .	49,896,000	3,67,252	...	...	101,530,000	3,01,247	151,426,000	6,68,499	1,578	11	...	...	1,108	8	1,229	5
Federated Shan States.	2,261,000	18,128	...	...	2,059,000	1,91,343	4,320,000	2,09,471	709	5	...	...	37	3	73	3
Bihar and Orissa	4,728,000	1,00,978	3,990,000	1,50,350	...	1,347	8,718,000	2,52,675	2,283	54	3,654	138	...	168	2,031	85
Assam .	(c) 4,091,000	(c) 1,39,876	...	...	8,020,000	3,99,276	12,111,000	5,39,152	616	21	...	...	540	27	563	25
Central Provinces	42,202,000	20,92,951	...	...	...	...	42,203,000	20,92,951	2,142	108	...	...	...	...	2,142	108
Coorg . .	310,513	29,977	82,890	4,406	...	...	393,403	24,383	598	58	246	13	...	...	459	40
North-West Frontier Province.	3,569,000	66,975	...	...	...	...	3,569,000	66,975	13,000	253	...	...	...	...	13,000	253
Ajmer . .	500,415	43,510	...	...	...	...	500,415	43,510	3,514	306	...	...	...	...	3,514	306
Baluchistan .	118,754	63,807*	...	...	439,400	3	558,154	63,810	347	189	...	...	931	...	1,278	79
Andamans . .	136,000	2,171	...	...	3,210,000	4,416	3,346,000	6,587	2,616	42	...	...	1,502	2	1,528	3
Madras . .	17,683,000	1,81,516	225,000	44,947	...	...	17,908,000	2,26,463	1,126	12	325	65	...	...	1,092	14
Bombay . .	(c) (d) 64,000,925	18,91,775	1,266,499	17,856	1,264,202	691	66,531,626	19,10,322	4,809	143	1,464	21	...	...	4,694	135
Total 1934-35 .	255,004,607	74,47,077	24,737,389	12,84,986	121,410,602	12,64,667	401,142,598	99,96,730	2,400	70	3,564	185	721	8	1,425	36
,, 1933-34 .	227,472,343	83,43,000	24,064,642	13,40,384	65,720,096	15,14,460	317,257,081	1,12,07,444	2,144	79	3,436	193	888	9	1,122	40
,, 1932-33 .	226,566,456	87,77,479	24,216,557	13,01,162	62,924,116	9,89,048	313,707,129	1,10,67,710	2,134	83	3,358	180	426	7	1,201	42
,, 1931-32 .	220,472,833	88,70,512	23,608,528	13,90,416	61,830,177	11,66,469	305,911,538	1,13,27,397	2,081	84	3,533	193	464	9	1,241	46
,, 1930-31 .	190,580,140	94,77,594	48,851,911	12,30,411	83,420,778	18,78,849	322,852,829	1,25,86,854	1,768	88	7,800	196	615	14	1,293	50

(a) Includes leased forests.
(b) ,, Rs. 33 on account of fruit culture.
* ,, Rs. 53,750 on account of grazing and fodder given free to Zamindars or rightholders from forests.
(c)† ,, leased forests.
(d) Excludes sandalwood 703 khandis, 16 maunds and 23 lbs., and rejected stuff.

STATEMENT XIV.

Forest Produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	742,000	600,000	20,000	...	7,363,000	548,000	13,883,000	706,000	...	15,137,000
United Provinces	183,000	8,155,000	63,000	896,000	9,297,000	134,000	9,996,000	381,000	13,258,000	23,769,000
Punjab	677,000	3,902,000	73,000	1,008,000	5,720,000	1,807,000	2,193,000	448,000	23,826,000	28,274,000
Burma	1,707,000	30,307,000	245,000	506,000	38,765,000	278,000	103,641,000	4,142,000	4,600,000	112,661,000
Federated Shan States	18,000	3,449,000	32,000	43,000	3,542,000	1,000	517,000	...	260,000	778,000
Bihar and Orissa	99,000	2,361,000	63,000	199,000	2,722,000	83,000	2,641,000	50,000	3,222,000	5,996,000
Assam	158,000	5,025,000	561,000	...	5,744,000	81,000	3,877,000	2,402,000	7,000	6,367,000
Central Provinces	4,895,000	4,404,000	393,000	...	9,692,000	8,509,000	22,701,000	1,182,000	118,000	32,510,000
Coorg	140,421	124,447	1,277	...	266,145	60,358	669,000	...	...	127 253
North-West Frontier Province	14,000	1,562,000	3,000	5,000	1,584,000	88,000	164,000	1,218,000	515,000	1,985,000
Ajmer	...	1,565	...	163	1,728	291,040	207,647	...	...	498,687
Baluchistan	955	868	658	291	2,772	17,151	558,144	120	...	575,415
Andaman	1,915,000	11,000	37,000	72,000	2,035,000	830,000	110,000	250,000	121,000	1,311,000
Madras	1,106,000	1,641,000	292,000	19,000	3,058,000	1,354,000	16,164,000	112,000	11,000	17,641,000
Bombay	874,000	6,130,000	100,000	302,000	7,406,000	1,189,000	39,673,000	7,000	18,256,000	59,125,000
Total 1934-35	12,520,376	79,733,880	1,883,935	3,050,454	97,197,645	15,270,549	216,392,691	10,898,120	64,194,000	306,755,360
„ 1933-34	12,745,916	69,961,885	1,739,463	2,858,730	87,295,994	12,133,912	152,955,135	10,195,040	54,677,000	229,961,087
„ 1932-33	15,195,912	66,815,373	1,607,193	3,109,100	86,727,578	13,788,188	148,747,053	9,251,080	55,193,280	226,979,551
„ 1931-32	14,345,863	61,486,876	1,689,097	3,074,067	80,596,803	13,193,161	150,631,556	7,382,130	54,117,888	225,314,735
„ 1930-31	17,669,862	75,018,546	1,878,673	3,666,613	99,133,694	15,591,251	146,914,124	7,970,480	53,243,280	223,719,135

STATEMENT XIV—*contd.*

Forest Produce removed by different agencies—*contd.*

Part II.—Value of Minor Forest Produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor Produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,168	1,25,550	571	...	1,27,289	...	37,138	46,426	...	83,564	5,990	2,38,623	2,529	...	2,47,141
United Provinces	232	99,832	181	6,813	1,07,048	406	1,88,559	30,434	3,18,026	5,38,325	5,80,328	3,04,530	6,040	55,555	9,47,358
Punjab	9,041	3,501	...	6	12,548	...	1,31,168	49,936	13,91,358	15,72,462	2,09,436	14,362	12	22,385	2,46,195
Burma	600	2,55,732	14,358	14,417	2,85,107	...	15,404	30,99	77,776	1,33,174	7,090	2,19,775	1,264	21,199	2,50,218
Federated Shan States.	...	2,329	28	422	2,779	...	3,259	6,347	3,372	12,977	44	1,91,686	50	1,935	1,93,715
Bihar and Orissa	819	57,778	351	4,429	63,377	...	7,995	112	1,34,314	1,42,421	2,805	37,103	229	6,740	46,877
Assam	88	60,965	11,936	...	72,989	...	37,488	22,838	119	60,445	25,178	2,55,194	1,25,346	...	4,05,718
Central Provinces	26,792	2,85,356	8,417	...	3,21,065	4,356	14,11,046	1,76,182	375	15,91,959	22,702	1,41,005	13,220	2,400	1,79,327
Coorg	15	1,596	2	...	1,613	...	913	4,293	168	5,374	...	23,082	3,477	...	26,559
North-West Frontier Province.	...	...	...	...	...	...	5,426	80	9,658	15,164	50,779	1,027	5	...	51,811
Ajmer	...	723	...	...	723	1,848	12,056	1,425	22,507	38,736	569	3,482	...	...	4,051
Baluchistan	...	...	...	...	...	...	8,796	375	53,750	62,921	733	528	3	...	1,264
Andamans	...	19	1,041	214	1,274	...	...	...	...	...	...	1,540	3,438	335	5,313
Madras	12,690	3,79,559	2,467	375	3,95,091	177	5,92,068	22,252	6,652	6,21,749	19,743	5,18,377	2,816	761	5,41,697
Bombay	161	94,513	1,460	71,522	1,67,656	...	7,50,433	27,703	7,98,552	15,76,688	2,005	1,07,163	5,571	51,232	1,65,971
TOTAL 1934-35	51,606	13,67,943	40,812	98,198	15,58,559	6,787	32,03,243	4,28,397	28,17,527	64,55,959	9,28,302	20,58,083	1,64,890	1,62,542	33,13,817
„ 1933-34	49,087	12,58,414	43,707	77,150	14,28,358	3,420	30,99,119	4,63,088	28,82,377	64,48,004	8,60,993	21,66,943	1,56,331	1,46,765	33,31,032
„ 1932-33	39,772	14,88,613	26,846	74,444	16,29,675	6,684	30,61,884	4,15,089	28,79,152	63,62,809	7,32,502	20,40,855	1,45,956	1,55,913	30,75,226
„ 1931-32	39,814	73,89,054	26,373	75,679	15,30,920	5,690	30,84,500	3,78,199	29,01,986	63,70,375	7,65,506	23,08,808	1,70,145	1,81,643	34,26,102
„ 1930-31	34,165	14,36,385	22,193	78,038	15,70,781	14,206	32,57,991	4,07,845	32,29,547	69,09,589	11,28,136	25,55,705	2,41,101	1,81,542	41,06,484

STATEMENT XV.

Exports of Forest Produce.

Articles of forest produce.	Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1934-35.	
	Average of 5 years 1929-30 to 1933-34.	In 1934-35.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	7,787	10,606	65,89,064	621
Lac — Button	1,025	786	10,77,693	1,372
Lac — Shell	19,524	21,597	2,66,93,974	1,236
Lac — Stick, seed and other kinds	7,740	6,917	52,24,537	755
Cutch and gambier	1,878	1,735	4,76,652	273
Myrobolans	61,087	67,777	47,86,909	71
Cardamoms	505	464	15,31,000	3,300
Sandal	767	675	8,01,736	1,188
Teak	31,761	43,107	90,41,223	210
Other kinds of wood and timber	...	...	10,62,410	...
TOTAL 1934-35	...	...	5,72,85,198	...
,, 1933-34	...	...	4,40,75,859	...
,, 1932-33	...	...	2,59,80,726	...
,, 1931-32	...	...	3,88,06,908	...
,, 1930-31	...	...	6,90,23,105	...

* Quantity not recorded.

STATEMENT XV (*a*).

Imports of Timber into British India.

Year (calendar).	Imports of timber into British India.		Imports of sleepers of wood for railways into British India.	
	Cubic tons.	Rs.	Tons.	Rs.
1931	17,948	20,31,273	...	...
1932	12,218	11,37,996	...	...
1933	18,475	15,74,950	6	612
1934	19,440	15,15,918	...	...
1935	14,426	9,37,087	...	...

STATEMENT XVI.

Estimated value of Forest Produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,834	13,424	571	53,194	2,529	71,552
United Provinces	1,01,000	1,20,000	7,000	3,49,000	62,000	6,39,000
Punjab	62,795	10,39,520	...	...	14,63,697	25,66,012
Burma	49,692	30,320	14,360	39,994	1,252	1,44,618
Federated Shan States	6,539	...	28	6,347	50	12,964
Bihar and Orissa	24,932	38,502	4,780	1,36,613	6,969	2,11,796
Assam	35,952	18,240	11,936	24,782	1,25,346	2,16,256
Central Provinces	31,014	55,018	8,417	13,58,563	16,316	14,69,328
Coorg	155	...	2	4,461	3,477	8,095
North-West Frontier Province	1,815	47,001	...	9,638	105	58,559
Ajmer	...	...	...	23,932	...	23,932
Baluchistan	166	7	...	53,750	3	53,926
Andamans	10,900	8,400	1,255	...	3,773	24,328
Madras	53,110	4,602	2,842	46,797	3,557	1,10,928
Bombay	1,03,487	3,46,260	72,962	8,26,255	56,803	14,05,767
TOTAL 1934-35	4,83,391	17,30,294	1,24,173	29,33,326	17,45,897	70,17,081
„ 1933-34	3,97,257	14,40,019	1,06,857	30,05,475	17,11,195	66,60,803
„ 1932-33	4,48,137	15,41,716	89,593	30,05,718	16,96,958	67,82,122
„ 1931-32	4,20,594	14,85,409	88,626	24,74,014	17,46,255	62,14,896
„ 1930-31	5,34,058	14,90,101	1,06,634	26,38,041	18,40,752	66,09,586

STATEMENT XVII.

Details of Revenue and Expenditure for the financial year 1934-35.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	1,80,40,254	66·2
			(b) Minor forest produce	34,93,490	12·8
			(c) Forest stamps and commutation fees for forest produce	84,778	0·3
			(d) Grazing	31,22,302	11·5
			(e) Revenue from forests not managed by Government	5,97,361	2·2
			(f) Miscellaneous	18,93,190	7·0
			Total Revenue	2,72,31,375	100·0
Expenditure	A Recurring	(a) Administration.	(i) Superior Staff	1,21,09,721	61·7
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	38,26,847	19·5
			(2) Roads and Buildings	10,59,252	5·4
			(3) Fire protection	2,18,750	1·1
			(4) Cultural operations	6,74,812	3·4
			(5) Live-stock, stores and plant	3,14,501	1·6
			(6) Working-Plans	44,154	0·2
			(7) Rent for leased forests	2,08,516	1·1
			(8) Miscellaneous	4,66,038	2·4
		(c) Expenditure on realization of revenue from forests not managed by Government.		13,606	0·1
		*(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).		6,79,053	3·5
			Total	1,96,15,250	100·0
	B Extraordinary	(e) Forest Settlement		323	...
		(f) Forest Survey		10,624	1·0
		(g) Forest Demarcation		62,845	5·9
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		6,70,261	63·0
		(i) Share of Capital charges transferred to 8-A		3,19,841	30·1
			Total	10,63,894	100·0
			GRAND TOTAL OF EXPENDITURE	2,06,79,144	...
			Net Revenue	65,52,231	...
			(Excluding Burma and Federated Shan States.)		

(a) Ajmer-Merwara. If the following items be deducted from expenditure of above, the forest surplus would come to Rs. 26,893 which has been shown in the Annual Report of the Ajmer-Merwara Forest Division for 1934-35.

(1) 4,760 Arb. deficit { Exp. 6,998 / Rev. 2,238 } —4,760.

(2) 40,000 Forest profit distribution.
(3) 1,163 Capital outlay, etc.
(4) 35 Share of capital charges, etc.

45,958—19,065=26,893.

STATEMENT XVII(*a*).

Details of Revenue and Expenditure for the financial year 1934-35.

(Burma and Federated Shan States only.)

				Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood			1,08,89,883	88·7
	(*b*) Minor forest produce			6,69,515	5·4
	(*c*) Grazing			23,438	0·2
	(*d*) Revenue from forests not managed by Government			1,67,926	1·4
	(*e*) Miscellaneous			5,25,419	4·3
			Total Revenue	1,22,76,181	100·0
Expenditure — A Recurring	(*a*) Administration.	(*i*) Superior Staff		45,06,196	81·8
		(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).			
		(*iii*) Office Establishment (including Contingencies).			
	(*b*) Working	(1) Extraction		3,98,301	7·2
		(2) Roads and Buildings		1,74,724	3·3
		(3) Fire protection		22,990	0·4
		(4) Live-stock, stores and plant		1,67,724	3·0
		(5) Working-Plans, revision and maintenance.		...	...
		(6) Maintenance and boundaries		...	...
		(7) Regeneration and improvement		...	...
		(8) Silvicultural Research		...	...
		(9) Utilisation Research		...	...
		(10) Other Works		68,083	1·2
		(11) Miscellaneous		1,72,849	3·1
		(12) Losses of Government commercial undertakings.		...	...
			Total	55,10,867	100·0
B Extraordinary	(*c*) Forest Settlement			175	...
	(*d*) Forest Survey			33,109	6·5
	(*e*) Forest Demarcation			1,305	0·2
	(*f*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.			4,75,828	93·0
	(*g*) Share of capital charges transferred to 8-A			1,574	0·3
			Total	5,11,991	100·0
			GRAND TOTAL OF EXPENDITURE	60,22,858	...
			Net Revenue	62,53,323	...

(Burma and Federated Shan States only.)

STATE

Summary of Revenue and Expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	3,33,603	6,14,315	10,63,625	17,42,987	4,985	55,567
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	13,44,691	39,75,186	5,59,375	98,39,849	7,70,775	11,55,401
III.—Drift and waif wood and confiscated forest produce.	...	4,925	2,458	20,321	1,62,168	173	15,194
IV.—Revenue from forests not managed by Government.	...	...	31,721	2,081	1,67,926	...	51,282
V.—Miscellaneous	...	1,16,253	2,89,117	2,42,585	3,78,054	36,753	1,52,969
Deduct—Refunds	...	—16,930	—10,526	—2,995	—14,803	—1,270	...
TOTAL REVENUE .	...	17,82,542	49,02,271	18,84,992	122,76,181	8,11,396	14,30,413
EXPENDITURE.							
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	1,89,291	3,41,319	3,79,927	2,46,596	1,342	24,693
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,37,079	1,31,230	2,201	1,30,894	21,382	61,668
III.—Drift and waif wood and confiscated forest produce.	...	1,455	286	7,070	20,811	41	631
IV.—Revenue from forests not managed by Government.	...	...	13,606	...	5,129	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	7,074	1,12,216	...	2,787	15,269
VI.—Live-stock, stores, tools and plant . .	...	64,651	46,334	10,015	1,67,724	2,693	19,120
VII.—Communications and buildings . .	...	90,362	2,12,327	60,283	1,74,724	63,785	89,681
VIII.—Demarcation, improvements and extension of forests.	...	87,335	2,51,994	2,65,880	1,19,638	31,544	48,602
IX.—Miscellaneous	...	15,565	5,893	...	1,40,433	16,967	39,451
Work Advances	...	—88	...	—774	—1,278	...	...
Total A.—Conservancy, Maintenance and Regeneration.	...	5,85,650	10,10,063	8,36,818	10,04,671	1,40,541	2,98,515
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	41,758	8,24,276	16,48,857 (a)	10,21,021	45,06,196	4,82,525	7,77,246
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	59,696	64,407	1,83,546	4,75,828	—95	54,499
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	20,397	16,605	1,44,073	36,163	19,988	42,647
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	...	...	...	2,337
GRAND TOTAL OF EXPENDITURE (Excluding expenditure under E.) .	41,758	14,90,019	27,39,932	21,85,458	60,22,858	6,42,959	11,75,244
SURPLUS (Excluding expenditure under E.) .	...	2,92,523	21,62,339	...	62,53,323	1,68,435	2,57,506
DEFICIT .	41,758	...	...	3,00,466	...	...	...
Proportion of surplus to gross revenue . .	...	16	441	...	51	1·5	18
Net revenue per square mile of forest area under control of Forest Department.	...	27	935·6	...	34	56·6	11·9

(a) Includes figures of General Direction Division.

MENT XVIII.

Forest Department in India for the financial year 1934-35.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
16,48,036	2,92,092	79,229	43,586	4,301	10,95,422	...	16,07,037	13,45,070	99,29,855
27,91,768	52,919	1,55,487	32,029	14,812	3,127	...	18,43,079	38,17,615	2,63,53,093
1,500	...	3,533	...	71	...	...	11,469	3,309	2,25,121
3,652	...	12,419	...	10,992	...	...	4,65,031	20,153	7,65,287
3,49,777	11,314	24,823	13,830	6,729	11,218	3,972	3,44,061	3,65,244	23,46,699
—3,388	—1,907	—1,310	...	...	—279	...	—44,457	—17,641	—1,15,456
47,91,425	3,54,418	2,74,181	89,445	36,905	11,09,488	3,972	42,26,220	55,33,750	3,95,07,599
6,13,626	44,229	36,828	23,550	706	7,35,230	...	2,92,991	5,34,519	34,64,847
1,53,348	454	1,956	400	295	848	...	1,70,416	62,007	8,74,178
32	...	1,795	...	...	...	...	...	...	32,121
...	...	...	...	...	...	...	...	...	18,735
1,500	...	14,748	40,000	...	...	...	...	14,232	2,07,826
25,945	9,744	1,327	223	94	33,277	7,926	90,866	4,643	4,84,582
1,73,079	8,960	29,296	8,664	1,146	5,872	280	1,63,511	1,22,720	12,04,690
1,50,713	25,839	17,953	1,851	1,748	18,092	...	1,35,547	1,08,205	12,64,321
1,34,019	2,195	1,860	290	349	—67	57,683	25,798	31,364	4,59,423
...	...	—400	...	...	—3,755	...	—462	...	—11,777
12,52,262	91,421	1,05,343	74,978	4,338	7,84,497	65,889	8,78,047	8,77,690	80,10,723
19,73,133	1,05,475	1,63,054	32,251	31,951	1,86,638	5,15,839	27,30,393	20,85,725	1,71,26,338
1,96,826	13,364	18,810	1,163	...	...	...	—418	97,294	11,64,920
9,680	1,163	13,400	118	...	58,876	989	2,75,279	54,729	6,94,107
399	...	...	...	...	...	...	...	...	2,736
34,32,300	2,11,423	3,00,607	1,08,510	36,289	10,30,011	5,82,717	38,83,301	31,15,438	2,69 98,824
13,59,524	1,42,995	...	(b) 26,893	...	79,477	...	6,18,198	24,18,312	1,37,79,325
...	...	26,426	...	...	...	5,82,717	...	...	9,47,395
·28	1 : 2·5	...	·30	...	7·16	...	14	44	...
70	275	1,034	189	...	36·30	...	38	203	...

(b) *Vide* note (a) at foot of Statement No. XVII.

STATE

Revenue of the Forest Department throughout India for the 35 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . . .	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal* . . .	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	3,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces .	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab . . .	6,67,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma . . .	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam† . . .	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg . . .	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer . . .	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan .	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans . .	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras . . .	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay . . .	11,77,673	12,28,561	18,93,818	30,11,314	33,54,693	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL .	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	...
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529	28,56,420
United Provinces . .	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987	64,26,281
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533 (a)	37,27,312 (a)	41,12,076 (a)
Burma	1,23,61,499	1 25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399	1,96,77,824	2,23,46,518
Bihar and Orissa . .	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	10,70,268	10,28,592
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756	30,39,140
Central Provinces and Berar .	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	49,87,409
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	5,38,518
North-West Frontier Province .	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767	7,44,207
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	72,759
Baluchistan	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593	23,621
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597	8,91,029
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	1,05,697
Forest Surveys (Imperial) .	...	...	...	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	51,70,520
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964	75,28,038
GRAND TOTAL .	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	5,98,70,825

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Excludes Rs. 52,151 deducted on account of Refunds.

MENT XIX.

from 1899-1900 to 1934-35 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,989	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,33,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1926-27	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	...	Imperial.
31,23,841	33,49,480	31,18,357	30,52,078	23,12,049	16,94,479	15,11,717	15,02,561	17,82,542	Bengal.
58,71,303	72,01,183	61,80,391	61,79,638	49,76,118	45,28,923	45,95,584	45,16,911	49,02,271	United Provinces.
39,07,731 (a)	31,91,217 (a)	35,28,025 (a)	31,57,771 (a)	23,84,898 (a)	22,44,209 (a)	19,52,000 (a)	19,48,176 (a)	18,84,992 (a)	Punjab.
2,35,94,060	2,24,07,668 (b)	1,81,00,143	2,03,66,104	1,56,68,850	1,13,96,019	92,42,859	88,39,554	1,22,76,181	Burma.
9,43,752	9,38,760	10,97,161	9,39,275	8,11,407	6,28,013	6,18,853	6,84,823	8,11,396	Bihar and Orissa.
31,33,473	36,13,460	37,67,873	35,20,008	22,63,077	19,27,078	16,16,405	14,57,198	14,30,413	Assam.
53,21,376	50,78,160	54,46,316	59,97,508	51,11,894	44,47,111	42,90,168	44,06,011	47,91,425	Central Provinces and Berar.
4,58,145	4,93,372	5,25,636	5,72,031	3,09,073	4,85,821	3,37,323	4,32,344	3,54,418	Coorg.
7,91,166	7,56,700	8,29,377	8,64,377	8,03,902	7,31,285	7,39,710	4,35,260	2,74,181	North-West Frontier Province.
66,934	76,515	87,924	93,803	95,273	87,587	90,425	88,258	89,445	Ajmer.
27,942	29,867	23,425	29,300	29,277	27,976	25,615	22,340	36,905	Baluchistan.
11,70,863	14,18,062	15,00,706	20,06,813	19,37,596	14,51,463	16,22,129	14,01,064	11,09,488	Andamans.
2,74,025	1,16,167	1,06,001	1,03,866	90,605	29,092	58,960	13,055	3,972	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
56,23,700	53,44,431	61,54,773	64,64,825	52,69,087	42,54,874	47,38,169	39,43,068	42,36,220	Madras.
76,56,420	72,94,094	73,43,035	79,74,964	52,23,753	56,73,847	59,71,103	54,30,090	55,33,750	Bombay.
6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	4,72,66,859	3,96,07,777	3,74,11,020	3,51,20,713	3,95,07,599	GRAND TOTAL.

Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 35 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer	6,197	18,693	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan	...	...	12,594	16,180	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans	789	481	5,129	41,108	1,76,189	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest. College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	33,935	28,229
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,323	1,10,638	1,32,777	1,08,993	2,57,011	4,33,494	1,44,489	1,68,595	1,18,903
Bengal	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	12,60,968
United Provinces	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005	36,95,346
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488	27,01,510
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159 (a)	96,28,313 (a)	86,87,943 (a)
Bihar and Orissa	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397	6,65,624
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,353	15,67,983
Central Provinces and Berar	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	33,45,729
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	3,05,395
North-West Frontier Province	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,88,713	5,47,321
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	55,161
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	31,358
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	11,35,063
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365	8,14,033
Forest Surveys (Imperial)	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	...
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	48,23,239
Bombay	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317	42,07,626
GRAND TOTAL	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883	3,39,63,202

* Includes pay of Inspector General of Forests, Assistant Inspector General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal Districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*contd.*

from 1899-1900 to 1934-35 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
88,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,843	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883	GRAND TOTAL.

1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34	1934-35	Province.
Rs.	Rs.	Rs.	Rs.	Rs. (b)	Rs.	Rs.	Rs.	Rs.	
1,23,858	61,661	59,361	61,498	1,93,252	59,082	45,019	46,667	41,758	Imperial.*
17,34,761	17,02,453	16,82,191	16,65,180	15,95,129	16,61,044	15,08,613	14,42,183	14,90,019	Bengal.
33,73,499	39,93,303	32,43,716	33,88,710	32,78,628	26,44,164	26,03,979	26,54,580	27,39,932	United Provinces.
27,03,386 (a)	29,54,874 (a)	24,93,319 (a)	29,69,197 (a)	28,01,464 (a)	21,04,402 (a)	22,09,140 (a)	21,87,940 (a)	21,85,458 (a)	Punjab.
89,40,884	88,37,858	84,24,771	78,08,595	75,61,238	66,52,310	68,64,385	65,27,464	60 22,858	Burma.
10,88,069	6,63,874	8,50,373	9,02,662	7,34,695	7,63,257	6,31,793	6,68,071	6,42,959	Bihar and Orissa.
14,47,506	14,45,767	21,22,366	22,20,302	21,16,589	16,11,208	14,10,217	11,97,019	11,75,244	Assam.
36,48,691	34,99,468	36,49,259	39,75,653	39,60,817	34,53,164	32,72,297	33,43,399	34,32,300	Central Provinces and Berar.
2,84,770	2,50,186	2,65,133	3,11,454	2,97,350	2,28,515	1,99,098	2,06,074	2,11,423	Coorg.
6,40,719	6,91,414	8,34,935	8,40,215	8,13,708	7,53,898	6,18,792	3,98,670	3,00,607	North-West Frontier Province.
79,728	82,854	76,855	81,200	83,821	87,684	75,153	62,432	1,08,510	Ajmer.
32,422	34,019	36,878	37,651	41,725	34,686	32,369	34,948	36,289	Baluchistan.
12,20,097	14,50,684	13,28,927	16,47,454	17,27,018	12,31,667	13,10,763	10,96,756	10,80,011	Andamans.
8,96,566	9,35,364	9,41,737	9,31,834	9,69,467	7,33,174	6,02,578	6,06,945	5,82,717	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
50,36,844	47,69,594	45,59,503	48,18,627	46,79,321	39,89,887	37,89,150	39,20,340	38,83,301	Madras.
43,59,516	43,11,781	44,92,445	46,75,278	43,51,586	40,66,782	36,23,206	32,86,367	31,15,438	Bombay.
3,56,06,816	3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	3,00,74,924	2,87,96,552	2,76,29,855	2,69,98,824	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 35 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,96,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,63,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495	—1,18,903
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	15,95,452
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	27,30,935
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498	11,12,824	14,10,566
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240 (a)	1,00,49,511 (a)	1,36,58,575 (a)
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871	3,62,968
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	11,47,903	14,71,157
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	16,41,680
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	2,33,123
North-West Frontier Province	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	1,96,886
Ajmer	1,229	8,772	—12,868	10,695	—508	4,138	5,968	16,937	17,598
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	—7,737
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,832	—4,28,093	—2,44,034
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	—7,08,336
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...	...
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	3,47,281
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	33,20,412
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	2,59,07,623

* Includes pay of Inspector General of Forests, Assistant Inspector General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1934-35 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,083	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
68,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,818	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,532	3,26,823	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,443	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35.	Province.
Rs.	Rs.	Rs.	Rs.	Rs. (b)	Rs.	Rs.	Rs.	Rs.	
—1,23,858	—61,661	—59,361	—61,498	—1,93,252	—59,082	—45,019	—46,667	—41,758	Imperial.*
13,89,080	16,47,027	14,36,166	13,86,898	7,16,920	33,435	3,104	60,378	2,92,523	Bengal.
24,97,804	32,07,880	29,36,675	27,90,928	16,97,495	18,84,759	19,91,605	18,62,331	21,62,339	United Provinces.
12,04,345	2,36,343	10,34,706	1,88,574	—4,16,566	1,39,807	—2,57,140	—1,39,764	—3,00,466	Punjab.
1,46,53,176 (a)	1,35,69,810 (a)	96,75,372 (a)	1,25,57,509 (a)	81,07,612 (a)	47,43,709 (a)	28,78,474 (a)	23,12,090 (a)	62,53,328 (a)	Burma.
—1,39,317	2,75,386	2,46,788	36,613	76,712	—1,35,244	—12,940	16,752	1,68,435	Bihar and Orissa.
16,85,967	21,67,693	16,45,507	12,99,706	1,46,488	3,15,870	2,06,188	2,60,179	2,57,506	Assam.
16,72,695	15,78,692	17,97,057	20,21,855	11,51,077	9,93,947	10,17,871	10,62,612	13,59,524	Central Provinces and Berar.
1,73,375	2,43,186	2,60,503	2,60,577	11,723	2,57,306	1,38,325	2,26,270	1,42,995	Coorg.
1,50,447	65,286	—5,558	24,159	—9,806	—22,613	1,20,918	36,590	—26,426	North-West Frontier Province.
—12,794	—6,339	11,569	12,603	11,452	—97	15,272	25,826	26,893	Ajmer.
—4,480	—4,152	—13,453	—8,351	—12,448	—6,710	—6,754	—12,608	...	Baluchistan.
—49,234	—32,622	1,71,779	3,59,359	2,10,578	2,19,796	3,11,366	3,04,308	79,477	Andamans.
—6,22,541	—8,19,197	—8,35,736	—8,27,968	—8,78,862	—7,04,082	—5,43,618	—5,93,890	—5,78,745	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
5,86,856	5,74,837	15,95,270	16,46,198	5,89,766	2,64,987	9,49,019	22,728	6,18,198	Madras.
32,96,904	29,82,313	28,50,590	32,99,686	8,72,167	16,07,065	23,47,897	21,43,723	24,18,312	Bombay.
2,63,58,415	2,56,24,482	2,27,47,874	2,49,86,848	1,20,81,056	95,32,853	86,14,468	74,90,858	1,28,32,130	GRAND TOTAL.

* Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATEMENT No. XX.

Forest Area by ownership (in square miles).

Province.	Type of Forests.	The State.			Corporate Bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forest.	Total.				
1	2	3	4	5	6	7	8	9
Bengal	Merchantable	7,038	28	7,066	...	1,633	8,699	
	Unprofitable or inaccessible	21	3,445	3,466	...	...	3,466	
United Provinces	Merchantable	3,491	700	4,191	21	1,200	5,412	
	Unprofitable or inaccessible	...	10,084	10,084	...	1,876	11,960	
Punjab	Merchantable	816	233	1,049	132	...	1,181	
	Unprofitable or inaccessible	1,355	2,784	4,139	666	...	4,805	
Burma	Merchantable	22,116	53,805	75,921	...	...	75,921	
	Unprofitable or inaccessible	6,491	40,773	47,264	...	...	47,264	
Federated Shan States	Merchantable	2,429	5,784	8,213	...	...	8,213	
	Unprofitable or inaccessible	715	49,584	50,299	...	...	50,299	
Bihar and Orissa	Merchantable	(a) 902	(b) 2,064	3,763 (c)	...	(d) 14,065	17,828	
	Unprofitable or inaccessible	...	(c)797 679	679	...	...	679	
Assam	Merchantable	3,282	...	3,282	52	317	3,651	
	Unprofitable or inaccessible	2,869	15,354	18,223	...	...	18,223	
Central Provinces	Merchantable	12,403	(t) 5,796	18,199	...	16,189	34,388	
	Unprofitable or inaccessible	2,040	(t) 2,824	4,864	...	9,247	14,111	
Coorg	Merchantable	372	191	563	...	199	762	
	Unprofitable or inaccessible	123	139	262	...	146	408	
North-West Frontier Province.	Merchantable	146	15	161	35	...	196	
	Unprofitable or inaccessible	...	104	104	...	...	104	
Ajmer	Merchantable	100	...	100	...	...	100	
	Unprofitable or inaccessible	42	...	42	...	...	42	
Baluchistan	Merchantable	...	...	...	...	...	...	
	Unprofitable or inaccessible	...	814	814	...	...	814	
Andamans	Merchantable	2,055	...	2,055	...	...	2,055	
	Unprofitable or inaccessible	134	...	134	...	...	134	
Madras	Merchantable	4,201	6,890	11,091	...	5,482	16,573	
	Unprofitable or inaccessible	2,338	5,588	7,926	...	14,389	22,315	
Bombay	Merchantable	7,642	1,103	8,745	...	165	8,910	
	Unprofitable or inaccessible	...	5,429	5,429	...	...	5,429	
TOTAL	Merchantable	66,993	77,406	1,44,399	240	39,250	1,83,889	
	Unprofitable or inaccessible	16,128	1,37,601	1,53,729	666	25,658	1,80,053	
	GRAND TOTAL	83,121	2,15,007	2,98,128	906	64,908	3,63,942	
	Percentage of total Forest Area	22·8	59·1	81·9	·2	17·8	...	

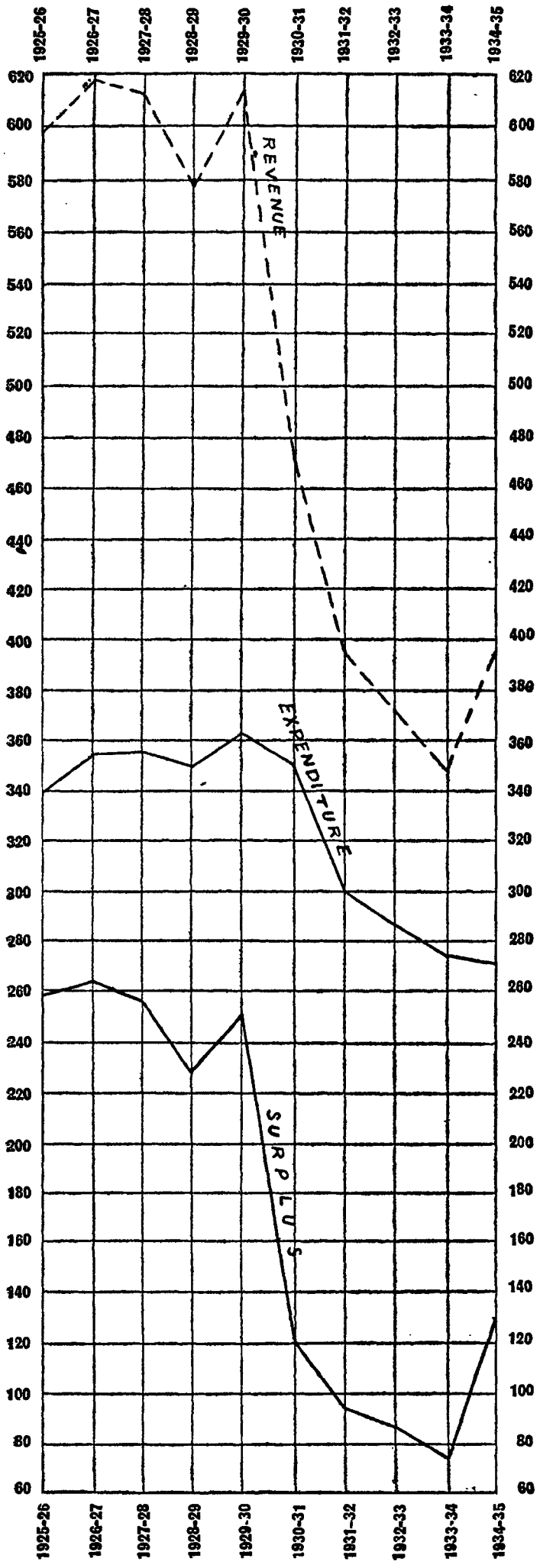
(a) and (b) under Forest Deptt.
(c) under Civil Deptt.
(d) Includes 13,611 sq. miles of forests belonging to private individuals which are neither reserved nor protected. The figure is only an estimate. Actual figures are at present not available.
(e) 679 sq. miles of (b) are unprofitable or inaccessible.

(t) Includes 2,486 and 1,167 sq. miles Ryotwari Forests (C. P.)

APPENDIX.

DIAGRAM SHOWING ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS

for the 10 years 1925-26 to 1934-35.



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APPENDIX.

Diagram showing annual Forest Revenue, Expenditure and Surplus for the 10 years 1926-27 to 1935-36.

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STATEMENT I.

Area of forests under the control of the Forest Department.

Province. Name.	Area in square miles.	Forest area in square miles. Reserved.	Protected.	Unclassed State.	Total.	Percentage of forests to whole area of Province.	Remarks.
1	2	3	4	5	6	7	8
Bengal	76,960	6,463	889	3,445	10,802	14·0	
United Provinces	106,248	(a) 5,195	4	52	5,251	4·9	(a) Includes 1 square mile of leased forest.
Punjab	95,315	(b) 1,524	(c) 3,207	(d) 453	5,184	5·4	(b) Includes 342 square miles of leased forests, but excludes 500 square miles of Reserved Forests not under the control of the Forest Department. (c) Excludes 63 square miles not under the control of the Forest Department. (d) Excludes 235 square miles not under the control of the Forest Department.
Burma	192,275	31,487	...	91,702	123,189	64·1	
Federated Shan States	61,016	3,158	...	(e) 39,713	42,871	70·3	(e) Excludes 12,845 square miles decontrolled and 3,290 square miles of Wa State and includes large areas without forest growth now being surveyed for decontrol.
Bihar and Orissa	83,054	(f) 1,883	(g) 1,086	(h) 4	2,973	3·6	(f) Includes 30 square miles belonging to private estates under the management of the Forest Department and excludes 277 square miles belonging to private individuals under their own management. (g) Includes 21 square miles of private estate forests under the management of Forest Department and excludes 843 square miles under the Civil Department and 102 square miles belonging to private individuals under the management of the owner. (h) Excludes 285 square miles belonging to private individuals under negotiations with a view to reservation or protection and includes about 8 square miles covered by roads, buildings, etc., belonging to the Forest Department.
Assam	55,445	6,647	...	14,765	21,412	38·6	
Central Provinces (including Berar).	98,573	19,398	...	...	19,398	19·6	
Coorg	1,582	519	...	326	845	53·0	
North-West Frontier Province.	13,099	266	...	16	282	2·2	
Ajmer-Merwara	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	46,974†	341	...	472	813	1·7	
Andamans and Nicobar	2,508†	52	...	2,137	2,189	87·0	
Madras	142,260	(i) 15,724	(j) 750	...	16,474	11·6	(i) Includes 87 square miles of Ryots forests under Departmental control.
Bombay (including Sind)	123,280	13,318	876	...	(k) 14,194	11·5	(j) Represents reserved land and leased forests. (k) Includes 2,263 square miles of reserved and protected forests under the management of the Revenue Department.
Total 1935-36	1,101,356*	106,122	6,812	153,085	266,019	24·2	
,, 1934-35	1,100,641*	106,240	6,938	168,333	281,511	25·5	
,, 1933-34	1,099,503*	106,079	7,003	169,582	282,664	25·7	
,, 1932-33	1,099,511*	106,179	7,212	147,828	261,219	23·7	
,, 1931-32	1,101,902	105,960	6,682	133,189	245,831	22·3	

* Excluding Delhi Province.
† Figures taken from Census Report of 1931.

STATEMENT II.

Progress made in Forest Settlements during the year 1935-36.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	2	58	1	...	...	...
United Provinces	...	...	...	...	...	...
Punjab	7	...	...	...	...	...
Burma	...	207	87	612	...	...
Federated Shan States	...	...	...	...	...	...
Bihar and Orissa	6	102	206	...	...	...
Assam	2	43	491	40	...	...
Central Provinces	...	2	...	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	1	...	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	...	...	...	...	...
Andamans	...	52	...	...	...	Not known.
Madras	10	354	5	No information	is available.	...
Bombay	14	29	26	115	...	...
Total 1935-36	42	847	816	767	...	...
1934-35	310	877	272	175	...	...
1933-34	179	950	160	53	...	...
1932-33	653	1,757	280	571	...	...
1931-32	1,643	3,975	456	21,066	...	...

STATEMENT III.

Demarcation and Maintenance of Boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	377	1,464	2,392	4,233	2	1,390	5,625	1,210	10,904
United Provinces .	...	2,962	5,684	8,646	2	2,884	11,532	1,059	14,293
Punjab . . .	...	2,106	6,729	8,835	1	1,268	10,104	...	6,447
Burma . . .	207	1,948	15,395	17,550	207	3,947	21,704	3,240	14,138
Federated Shan States	...	151	1,176	1,327	...	596	1,923	...	1,159
Bihar and Orissa .	40	4,128	1,057	5,225	...	372	5,597	1,139	2,840
Assam . . .	18	1,301	1,475	2,794	89	2,782	5,665	310	9,279
Central Provinces .	26	4,215	26,443	30,684	3	3,449	34,136	273	8,325
Coorg . . .	...	66	403	469	...	67	536	...	1,225
North-West Frontier Province.	6	277	546	829	14	139	982	139	1,816
Ajmer . . .	7	31	201	239	...	158	397	108	102
Baluchistan . .	...	233	227	460	...	77	537	...	297
Andamans . .	...	...	...	...	36	23	59	...	...
Madras . . .	130	19,500	3,089	22,719	936	2,293	25,947	1,919	9,083
Bombay . . .	27	25,268	12,881	38,176	41	2,628	40,845	443	3,821
1935-36 .	838	63,650	77,698	142,186	1,331	22,072	165,589	9,835	83,729
1934-35 .	1,161	61,705	78,881	138,385	3,909	22,033	164,327	8,610	75,996
Total. 1933-34 .	1,180	62,511	80,072	143,763	3,033	21,953	168,749	19,414	77,102
1932-33 .	759	61,613	80,999	143,371	1,202	21,823	166,396	18,901	73,217
1931-32 .	771	57,263	85,085	143,119	1,422	21,555	166,096	17,630	62,692

STATEMENT IV.

Forest Survey Operations from 1st April 1935 to 31st March 1936.

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
		1" and ½' Detail survey.		2' Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1935-36.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Andamans	...	...	...	...	...	...	...	...	527·00	.....	
Assam	...	...	...	...	...	...	...	...	5,891·62	.....	
Baluchistan	...	...	...	...	...	...	...	...	249·90	.....	
Bengal	Chittagong Hill Tracts	587·22	...	...	...	...	...	(a) 587·22	6,162·13	.....	(a) Ordinary surveys not paid for by Forest Department.
Bihar	Santal Parganas	...	...	...	...	10·12	266·7	(b) 10 12	2,563·54	3,028 0 0	(b) Cost of surveys Rs. 3,028 debitable to "Forests."
Bombay	...	...	...	...	...	...	...	...	13,232·90	.....	
Burma	Maymyo	8·92	...	...	...	...	...	(c) 3·92	29,223·54	.....	(c), (d), (e) Cost of surveys not debitable to "Forests".
	Meiktila	14·54	...	...	...	...	...	(d) 14·54			
	Southern Shan States	807·03	...	...	...	...	...	(e) 807·03			
Central Provinces.	...	...	...	...	...	...	...	...	19,636·30	.....	
Coorg	...	...	...	...	...	...	...	...	478·00	.....	

STATEMENT IV—*contd.*

Forest Survey Operations from 1st April 1935 to 31st March 1936—*contd.*

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
		1" and ½" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1935-36.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
India . .	...	...	...	...	...	...	...	...	...	.....	
Madras . .	...	...	...	...	...	...	...	...	18,216·57	.....	
N.-W. F. P. .	...	...	...	...	...	...	...	...	465·00	.....	
Orissa . .	Sambalpur West . .	...	...	...	...	6·16	142·2	(f) 6·16	6·16	1,500 0 0	(f) Cost of surveys Rs. 1,500 debitable to "Forests."
Punjab . .	...	...	...	...	...	...	...	...	4,385·00	.....	
Sind . .	...	...	..	...	...	...	...	...	...	.....	
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
										Rs. A. P.	Contributions to Forest Map Office by Provincial and Central Governments. Rs.
TOTAL 1935-36	1st April 1935 to 31st March 1936.	1,412·71	...	...	...	16·28	...	1,428·99	108,352·40	4,528 0 0	40,070
,, 1934-35	1st April 1934 to 31st March 1935.	383·36	...	...	...	...	...	383·36	106,923·41	.....	40,520
,, 1933-34	1st April 1933 to 31st March 1934.	960·73	...	...	...	...	...	960·73	106,540·05	.....	40,560
,, 1932-33	1st April 1932 to 31st March 1933.	402·55	...	...	...	...	...	402·55	105,579·32	.....	41,982
,, 1931-32	1st April 1931 to 31st March 1932.	478·54	...	...	...	8·79	...	482·33	105,176·77	8,826 0 0	46,000

STATEMENT V.

Progress made in Working Plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,770	...	6	6,764	63·0	120	122	3,796	10,802	...	1,061	210	92
United Provinces	5,303	16	5	5,214	99·3	9	1	27	5,251	...	1,925	771	1,14,997
Punjab	2,295	129	2	2,422	46·0	13	1	2,748	5,184	15	75	1,228	1,675
Burma	25,022	8	133	24,897	79·1	1,623	1,098	3,869	31,487	...	7,789	1,669	...
Federated Shan States	1,373	...	2	1,371	43·4	280	1,507	...	3,158	...	1,290	...	...
Bihar and Orissa	2,395	...	...	2,395	80·6	84	28	465	2,972	92	779	...	1,498
Assam	1,948	592	...	2,541	...	2,373	149	1,632	6,695	...	8	...	...
Central Provinces	18,391	57	42	18,406	95·0	26	5	961	19,398	...	4,709	260	83,202
Coorg	169	...	...	169	33·0	...	...	350	519	...	...	...	...
North-West Frontier Province.	245	...	...	245	87·0	...	...	37	282	62	...	35	908
Ajmer	142	...	...	142	100·0	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	813	813	...	...	...	...
Andamans	708	...	...	708	78·3	...	...	1,481	2,189	...	708	...	5,228
Madras	11,870	473	...	12,343	75·0	3,445	686	...	16,474	...	...	...	...
Bombay	8,494	30	24	8,500	70·0	1,186	96	2,544	12,326 (a)	1,344	2,192	1,021	4,911
TOTAL 1935-36	85,025	1,305	214	86,117	73·2	9,159	3,693	18,723	117,692	1,513	20,536	5,194	2,12,517
,, 1934-35	82,942	2,093	164	84,871	64·1	7,360	3,185	36,988	132,404	2,798	19,901	2,434	1,61,647
,, 1933-34	82,561	1,873	1,087	83,347	63·04	6,161	6,239	36,461	132,208	1,376	16,209	1,541	2,09,361
,, 1932-33	79,477	3,891	754	82,614	62·3	6,262	6,992	35,842	132,559	1,759	11,421	8,476	1,23,643
,, 1931-32	76,134	4,235	711	79,658	59·2	8,818	10,397	35,673	134,546	1,198	15,825	3,145	2,01,574

(a) Including 395 square miles under the management of the Revenue Department.

STATEMENT VI.

Expenditure on Communications and Buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	30,701	500	42,246	38,567	13,504	1,25,518
United Provinces	31,305	16,993	83,156	1,00,289	21,094	2,52,837
Punjab	37,943	935	20,359	22,162	5,351	86,741
Burma	9,748	1,391	76,951	95,873	11,557	1,95,520
Federated Shan States	...	...	2,443	1,870	...	4,313
Bihar and Orissa	8,008	3,206	26,880	32,207	7,208	77,509
Assam	14,661	1,629	37,877	51,716	15,373	1,21,256
Central Provinces	14,552	15,916	62,762	99,523	12,713	2,05,466
Coorg	1,004	1,581	4,009	4,633	2,419	13,646
North-West Frontier Province	...	2,008	6,117	14,967 (a)	1,736	24,828
Ajmer	...	78	580	881	32	1,572
Baluchistan	...	...	909	48	50	1,007
Andamans	1,287	...	2,981	...	6,289	10,557
Madras	14,959	24,359	62,604	98,810	7,382	2,08,114
Bombay	35,805	17,557	25,848	88,611	4,869	1,72,690
Total 1935-36	1,99,973	86,153	4,55,713	6,50,157	1,09,577	15,01,574
,, 1934-35	1,49,769	53,904	4,40,269	6,42,755	89,541	13,76,238
,, 1933-34	99,915	60,715	4,43,297	6,53,535	98,855	13,56,317
,, 1932-33	1,01,867	1,07,650	4,28,685	6,94,264	1,06,801	14,39,267
,, 1931-32	1,67,776	1,74,830	4,42,278	7,78,561	1,55,362	17,18,907

(a) Includes Rs. 3,910 on Thai-Kalabagh ropeway.

STATEMENT VII.

Breaches of Forest Rules.

Province.	Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal A.	241	...	694	51	84	829	1,070	710	1,604	10	28	720	1,632	313
Bengal B.	259	7	2,527	2,371	1,418	6,323	6,582	6,334	11,170	19	26	6,353	11,196	219
Bengal C.	...	134	255	3	44	436	436	...	...	...	...	...	...	...
Bengal Total	500	141	3,476	2,425	1,546	7,588	8,088	7,044	12,774	29	54	7,073	12,828	532
United Provinces. A.	86	59	32	13	67	151	237	153	553	24	90	177	643	60
United Provinces. B.	708	176	2,265	1,870	1,094	5,405	6,113	4,883	14,544	493	1,221	5,376	15,765	737
United Provinces. C.	...	301	183	20	37	541	541	...	...	...	...	...	...	...
United Provinces. Total	794	516	2,480	1,903	1,198	6,097	6,891	5,036	15,097	517	1,311	5,553	16,408	797
Punjab A.	1,056	32	836	313	387	1,568	2,624	1,111	1,721	147	494	1,258	2,215	1,237
Punjab B.	489	73	3,935	5,397	4,045	12,850	13,339	12,554	16,599	12	29	12,566	16,628	765
Punjab C.	...	114	60	23	70	267	267	...	...	...	...	...	...	...
Punjab Total	1,545	219	4,231	5,733	4,502	14,685	16,230	13,665	18,320	159	523	13,824	18,843	2,002
Burma A.	600	...	1,020	45	186	1,251	1,851	1,163	1,740	191	395	1,515	2,400	336
Burma B.	1,388	1	9,078	370	2,228	11,677	13,015	11,875	13,658	...	...	11,677	13,991	1,302
Burma C.	...	10	101	...	13	124	124	...	...	...	...	...	...	...
Burma Total	1,988	11	10,199	415	2,427	13,052	14,990	12,538	15,398	191	395	13,192	16,391	1,638
Federated Shan States. A.	10	...	14	...	5	19	29	24	235	...	20	24	255	5
Federated Shan States. B.	16	...	172	1	32	205	221	129	209	...	...	209	314	12
Federated Shan States. C.	...	1	1	...	...	2	2	...	...	...	...	...	...	...
Federated Shan States Total	26	1	187	1	37	226	252	153	444	...	20	233	569	17
Bihar and Orissa A.	98	18	352	52	107	529	627	439	977	134	434	573	1,411	53
Bihar and Orissa B.	256	22	3,250	695	351	4,318	4,574	4,095	10,935	52	121	4,147	11,056	427
Bihar and Orissa C.	...	124	23	...	1	148	148	...	...	...	...	...	...	...
Bihar and Orissa Total	354	164	3,625	747	459	4,995	5,349	4,534	11,912	186	555	4,720	12,467	480
Assam A.	234	1	212	28	129	370	604	341	1,222	31	117	372	1,339	232
Assam B.	383	1	1,248	156	710	2,115	2,498	1,877	4,041	102	281	1,979	4,322	519
Assam C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam Total	617	2	1,460	184	839	2,485	3,102	2,218	5,263	133	398	2,351	5,661	751
Central Provinces. A.	87	14	111	196	83	404	491	302	650	78	270	380	920	111
Central Provinces. B.	4,281	212	12,679	11,892	2,132	26,915	31,196	24,825	61,687	1,812	4,371	26,637	66,058	4,559
Central Provinces. C.	...	371	1,246	124	72	1,813	1,813	...	...	...	...	...	...	...
Central Provinces Total	4,368	597	14,036	12,212	2,287	29,132	33,500	25,127	62,337	1,890	4,641	27,017	66,978	4,670
Coorg A.	...	...	...	...	1	1	1	1	1	...	...	1	1	...
Coorg B.	...	1	2	24	10	37	37	37	76	...	...	37	76	...
Coorg C.	...	...	...	...	1	1	1	...	...	1	1	1	1	...
Coorg Total	...	1	2	24	12	39	39	38	77	1	1	39	78	...
North-West Frontier Province. A.	1,002	2	296	141	97	536	1,538	690	1,494	130	278	820	1,772	538
North-West Frontier Province. B.	686	4	840	1,570	469	2,883	3,569	2,479	3,776	...	...	2,479	3,776	766
North-West Frontier Province. C.	...	33	...	...	...	33	33	...	...	...	...	...	...	...
North-West Frontier Province Total	1,688	39	1,136	1,711	566	3,452	5,140	3,169	5,270	130	278	3,299	5,548	1,304

STATEMENT VII—*contd.*

Breaches of Forest Rules—*contd.*

Province.		Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	43	3	38	125	8	174	217	156	343	10	41	166	384	51
	B.	...	33	981	2,004	55	3,073	3,073	3,073	5,618	...	...	3,073	5,618	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	43	36	1,019	2,129	63	3,247	3,290	3,229	5,961	10	41	3,239	6,002	51
Baluchistan	A.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	B.	5	1	43	200	11	243	254	246	326	3	10	243	336	5
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	5	1	43	200	11	243	254	246	326	3	10	243	336	5
Andamans	A.	...	...	2	...	...	2	2	2	...	...	2	2	...	...
	B.	...	...	11	...	1	12	12	12	...	...	12	12	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	13	...	1	14	14	14	...	...	14	14	...	...
Madras	A.	3,710	26	7,618	1,614	736	9,894	13,604	5,206	12,058	5,757	13,663	10,963	25,721	2,641
	B.	3,005	149	12,685	2,818	1,782	17,334	20,339	12,980	28,822	3,242	6,166	16,172	29,988	4,167
	C.	...	1,073	597	21	17	1,708	1,708	...	...	...	...	...	...	...
	Total	6,715	1,248	20,850	4,453	2,485	28,936	35,651	18,186	35,880	8,999	19,829	27,135	55,709	6,808
Bombay	A.	154	24	196	93	107	420	574	338	687	30	96	368	783	206
	B.	1,657	205	11,841	7,289	3,100	22,435	24,092	21,748	49,071	...	...	21,748	49,071	2,344
	C.	76	1,813	1,626	44	64	3,547	3,623	...	...	...	...	...	...	...
	Total	1,887	2,042	13,663	7,426	3,271	26,402	28,289	22,086	49,758	30	96	22,116	49,854	2,550
Grand Total	A.	7,321	159	11,421	2,671	1,997	16,148	23,469	10,636	23,285	6,542	15,928	17,339	39,476	5,788
	B.	13,083	885	60,907	36,657	17,388	115,825	128,914	106,597	215,532	5,735	12,237	112,708	228,195	15,822
	C.	76	3,974	4,092	235	319	8,620	8,696	...	...	1	1	1	1	...
Total, 1935-36		20,480	5,018	76,420	39,563	19,704	140,593	161,079	117,233	238,817	12,278	28,166	130,048	267,672	21,605
„ 1934-35		19,467	5,179	72,882	38,039	17,828	133,928	153,395	111,789	231,772	11,627	24,532	123,416	256,304	18,553
„ 1933-34		20,885	4,576	71,727	38,729	16,884	131,916	150,922	111,477	233,308	10,139	23,054	121,616	256,362	20,191
„ 1932-33		18,177	5,126	70,315	36,577	16,835	128,853	147,030	104,473	211,227	10,483	24,202	114,956	235,429	18,406
„ 1931-32		17,985	4,947	63,399	36,628	13,790	118,764	136,749	99,775	207,057	9,825	20,864	109,600	227,921	17,677

D. Revised figures adopted.
E. Excludes cases under C.

STATEMENT VIII.

Area protected from Fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1934-35.	1935-36.	
1	2	3	4	5	6	7
Bengal	1,758	1,738	27·2	1·1	1·1	
United Provinces	4,465	3,948	85·3	4·9	11·5	
Punjab	920	899	60·4	2·6	2·2	
Burma	136	133	0·4	6·3	2·2	
Federated Shan States	2	2	0·1	23·9	3·0	
Bihar and Orissa	1,953	1,723	97·2	11·5	11·9	
Assam	28	28	0·4	5·0	0·7	
Central Provinces	15,673	15,118	80·8	4·3	3·5	
Coorg	230	216	44·0	1·4	6·3	
North-West Frontier Province	148	146	56·0	3·5	1·4	
Ajmer	142	137	99·4	0·7	3·3	
Madras	4,345	3,991	28·0	6·5	8·2	
Bombay	7,942	7,431	67·0	5·8	6·4	
Total 1935-36	37,742	35,510	38·5	4·1	4·7	
„ 1934-35	37,872	35,693	42·1	4·7	4·9	
„ 1933-34	48,513	46,283	42·9	4·9	4·6	
„ 1932-33	46,843	44,879	42·3	4·7	4·2	
„ 1931-32	46,271	43,236	40·8	4·3	6·5	

STATEMENT IX.

Causes of Forest Fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.
Bengal	5	...	10	4	56	10	5	2	21	4	97	20
United Provinces	53	16	135	139	170	140	111	102	125	120	594	517
Punjab	13	...	19	10	131	6	71	12	6	...	240	28
Burma	2	28	10	465	11	598	5	177	22	633	50	1,901
Federated Shan States	...	...	...	...	1	38	...	...	...	...	1	38
Bihar and Orissa	10	5	34	17	54	54	35	45	208	129	341	250
Assam	3	...	...	...	14	...	24*	272*	4	...	45	272
Central Provinces	57	9	137	157	215	119	39	13	530	257	978	555
Coorg	1	...	4	...	2	...	14	14	2	...	23	14
North-West Frontier Province	2	25	2	17	7	5	16	843	12	470	39	1,360
Ajmer	4	106	...	...	16	2,895	...	...	...	...	20	3,001
Baluchistan	...	...	...	...	1	...	...	...	...	...	1	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	78	11	216	186	570	276	541	459	785	440	2,19	1,372
Bombay	33	3	122	52	721	197	228	43	990	258	2,094	553
TOTAL 1935-36	261	203	689	1,047	1,969	4,338	1,089	1,982	2,705	2,311	6,713	9,881
„ 1934-35	207	26	660	412	2,148	803	583	424	3,250	1,570	6,848	3,236
„ 1933-34	245	339	533	944	2,029	683	390	309	2,733	4,074	5,930	6,349
„ 1932-33	186	393	550	424	1,600	2,713	721	766	2,503	4,974	5,560	9,270
„ 1931-32	156	83	640	1,337	1,820	4,930	837	8,117	2,860	2,079	6,313	16,535

* For silvicultural purpose.

STATEMENT X.

Area closed and open to Grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6.).
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,230	...	4,446	...	63	63	10,802
United Provinces	1,986	...	2,213	103	875	74	5,251
Punjab	467	24	4,082	139	371	101	5,184
Burma	23,959	...	91	220	2,658	4,559	123,189
Federated Shan States	2,375	...	219	39	441	84	42,871
Bihar and Orissa	628	...	505	42	1,441	357	2,973
Assam	4,717	...	1,965	...	6	1	21,412
Central Provinces	2,154	218	3,670	...	13,356	206	19,398
Coorg	80	439	...	...	...	439	519
North-West Frontier Province	95	...	24	...	161	2	282
Ajmer	61	78	3	...	...	78	142
Baluchistan	100	...	502	208	3	...	813
Andamans	52	...	...	...	358	...	2,189
Madras	1,668	316	13,856	37	597	...	16,474
Bombay	1,454	330	2,847	52	9,492*	17	14,194
TOTAL 1935-36	46,026	1,405	34,423	840	29,822	5,980	2,65,693
1934-35	46,544	1,453	32,505	629	46,040	6,017	2,81,511
1933-34	47,344	1,393	43,826	382	30,915	9,232	2,82,644
1932-33	47,552	1,441	43,055	475	34,430	11,494	2,61,219
1931-32	46,629	1,337	46,989	488	31,408	5,640	2,45,831

* Including an area of 2 sq. miles submerged in the Bhandardara Lake.

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	3,185	42,503	215	...	55	76	2,104	...	...	6
United Provinces	57,724	150,803	100,564	614	1,853	7,809	32,681	26,024	...	170
Punjab	6,659	10,223	399,140	18,769	132	2,023	15,213	31,251	...	283
Burma*	3,402	55,165	...	70 (Elephants).	1,272	...	...	...	...	...
Federated Shan States*	2,001	619	...	...	32	...	...	...	...	...
Bihar and Orissa	3,401	14,093	1,406	...	...	4,413	12,063	...	...	2
Assam	10,173	5,889	...	...	347	613	...	...	...	...
Central Provinces	217,463	512,863	276,142	39	3,845	102,012	1,731,955	319	...	41
Coorg	315	2,955	...	...	...	...	...	...	...	...
North-West Frontier Province	1,629	2,651	...	...	28	...	...	...	...	...
Ajmer	446	4,210	...	...	...	3,541	14,612	...	...	...
Baluchistan	214	1,354	25,520	491	1,195	...	...	...	4,069	...
Madras	80,573	880,355	376,272	...	51	11,445	95,137	52,451	...	320
Bombay	30,610	69,228	172,395	371	11,440	310,448	925,735	395,085	...	4,950
Total 1935-36	417,795	1,752,911	1,351,654	20,354	20,250	442,380	2,830,517	505,130	4,069	5,772
„ 1934-35	402,725	1,740,100	1,387,178	37,449	15,502	352,382	2,891,803	454,632	...	21,186
„ 1933-34	404,091	1,716,836	1,432,672	17,282	13,478	355,133	2,867,964	559,182	...	4,901
„ 1932-33	367,649	1,624,324	1,287,707	25,090	13,756	343,980	2,845,991	894,731	...	5,118
„ 1931-32	374,243	1,602,721	1,458,798	42,656	11,598	351,465	2,904,143	798,971	...	4,311

* In case of Burma and the Federated Shan States the figures indicate elephants and not camels.

MENT XI.

from Cattle.

Grazed free, number of animals.										
By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total number of animals grazed.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	813	2,607	...	...	9	51,663
40,368	467,766	41,510	...	1,169	6,951	41,231	62,304	...	129	1,030,670
233,271	822,133	1,028,095	1,687	38,367	4,684	26,906	13	9	357	2,639,215
89,072	291,938	...	492 (Elephants)	413	14,255	5,991	...	6,8 7 (Elephants)	..	468,907
2,591	1,262	...	...	...	461	...	...	152 (Elephants)	...	7,118
78,572	251,095	99,529	...	19	52	518	143	...	...	465,306
29	88	...	...	...	7,101	9,932	...	...	39	35,228
...	375	...	...	...	1,663	257,682	2,138	...	321	3,106,858
26	583	...	...	...	3,105	14,210	...	...	...	21,194
5,366	6,699	...	..	...	200	1,063	2,000	50	50	19,736
187	1,273	...	...	...	...	...	...	...	...	24,269
...	4,030	64,954	...	1,920	...	2,800	4,800	..	800	112,197
2,126	10,022	4,996	...	209	9,267	85,967	12,856	...	...	1,622,047
2,588	6,937	...	...	19	100,095	474,750	9,078	2,502	2,750	2,517,981
454,196	1,863,251	1,239,084	2,179	42,116	148,647	923,747	93,332	9,550	4,455	12,131,389
453,046	1,770,077	1,242,891	2,754	42,267	149,264	882,525	84,551	11,449	2,850	11,944,631
482,793	1,789,358	1,224,087	2,400	42,189	155,158	915,383	79,142	13,958	3,142	12,079,149
439,621	1,808,711	1,078,097	2,187	43,010	147,077	920,435	109,428	2,092	13,660	11,992,664
431,878	1,798,325	1,671,002	1,687	42,479	161,724	866,981	66,286	2,183	13,863	12,605,314

STATEMENT XII.

Progress in concentrated Regeneration and Afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	...	2,127	...	2,127	55,405
United Provinces	182,412	9,034	3,246	194,692	1,15,140
Punjab	3,763	323	996	5,082	33,36,714
Burma	21,180	2,066	...	23,246	89,513
Federated Shan States	317	74	...	391	3,229
Bihar and Orissa	696	720	205	1,621	9,788
Assam	664	2,185	...	2,849	31,848
Central Provinces	79,575	362	...	79,937	55,892
Coorg	782	353	266	1,401	16,496
North-West Frontier Province	1,965	116	...	2,081	12,506
Ajmer	...	20	...	20	168
Baluchistan	...	...	60	60	...
Andamans	873	...	...	873	8,048
Madras	29,098	4,315	165	33,578	55,547
Bombay	69,983	30,796	8,799	109,578	61,197
Total 1935-36	391,308	52,491	13,737	457,536	8,51,491
„ 1934-35	171,631	40,613	8,036	220,281	8,50,490
„ 1933-34	139,007	42,753	5,649	187,411	8,88,547
„ 1932-33	138,868	21,761	2,525	163,154	9,00,578
„ 1931-32	64,646	61,637	3,862	130,145	9,49,079

STATEMENT XIII.

Outturn of Forest Produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	22,479,000	3,43,987	3,203,000	3,321	394,000	64,532	26,076,000	411,840	3,475	53	3,603	4	114	10	2,414	38
United Provinces	33,487,000	14,30,044	6,000	655	107,000	2,565	33,600,000	14,33,264	6,446	275	1,500	166	2,058	49	6,399	273
Punjab . .	12,278,000	4,82,069	17,222,000	10,57,892	3,933,000	3,94,521	33,433,000	18,34,482	8,056	316	5,370	330	8,682	650	6,449	354
Burma . .	53,759,850	4,10,833	...	...	51,962,750	3,07,548	105,722,600	7,18,381	1,707	13	...	...	507	3	858	5
Federated Shan States .	3,087,650	15,937	...	...	2,457,400	99,405	5,545,050	1,15,342	978	5	...	...	62	2	129	2
Bihar and Orissa	5,343,000	1,13,323	4,312,000	1,57,261	...	1,135	9,655,000	2,71,719	280,8	59	3,733	139	...	284	3,260	89
Assam . .	5,131,000	1,46,047	...	...	7,543,000	3,82,893	12,674,000	5,28,940	772	22	...	...	511	26	592	25
Central Provinces	49,406,000	20,95,469	...	...	...	...	49,406,000	20,95,469	2,547	108	...	...	...	...	2,547	108
Coorg . .	491,030	41,402	77,384	2,683	...	...	568,414	44,175	940	80	338	8	...	...	673	57
North-West Frontier Province.	3,167,000	59,218	...	...	...	925	3,167,000	60,143	12	228	...	...	...	58	12	210
Ajmer . .	577,043	46,658	...	...	...	...	577,043	46,658	4,059	328	...	...	...	...	4,059	328
Baluchistan .	164,456	69,574	...	...	605,371	2	769,827	69,576	482	204	...	...	1,282	...	1,767	204
Andamans . .	162,000	2,580	...	...	3,018,000	4,721	31,80,000	7,301	3,117	50	...	...	1,412	2	4,529	52
Madras . .	17,651,000	1,88,021	680,000	30,220	...	...	(b) 18,331,000	2,27,241	1,123	12	283	48	...	...	1,084	14
Bombay . .	(a) 73,688,000	29,48,786	(a) 1,201,000	229,361	6,01,000	...	75,490,000	31,78,147	5,533	221	1,371	262	...	...	5,276	224
Total 1935-36 .	280,872,029	83,04,038	26,701,384	14,87,393	70,621,521	11,58,247	378,195,834	11,039,678	2,412	77	3,579	178	549	7	1,415	38
,, 1934-35 .	255,004,607	74,47,077	24,727,389	12,84,986	121,410,602	12,64,667	401,142,598	9,996,730	2,400	70	3,564	185	721	8	1,425	36
,, 1933-34 .	227,472,343	83,43,000	24,054,642	13,49,354	65,720,096	15,14,460	317,257,081	11,207,444	2,144	79	3,436	193	388	9	1,122	40
,, 1932-33 .	226,566,456	87,77,479	24,316,557	13,01,182	62,924,116	9,89,048	313,707,129	11,067,710	2,134	83	3,358	180	426	7	1,201	42
,, 1931-32 .	220,472,833	88,70,512	23,608,528	12,90,416	61,830,177	11,66,469	305,911,538	11,327,397	2,081	84	3,533	193	464	9	1,244	46

(a) Excludes sandalwood 803 khandies, 16 maunds and 23 lbs., and rejected stuff as under :—
Sandals trees — 201.
,, billets — 121.
,, heaps — 2.
,, roots —6,851.
,, c. ft. —1,451.
Sandalwood cart loads — 253.
Sandal stumps — 928.
Branches and pieces — 7,502.

(b) Excludes 39,75,000 c. ft. relating to unreserves, including this the total output is 22,306,000 c.ft.

STATEMENT XIV.

Forest Produce removed by different agencies.

Part I.—Timber and Fuel.

Provinces.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	631,000	8,689,000	18,000	...	9,338,000	1,300,000	14,982,000	456,000	...	16,738,000
United Provinces	113,000	7,777,000	60,000	777,000	8,726,000	70,000	10,461,000	4,88,000	13,855,000	24,874,000
Punjab	691,000	3,066,000	86,000	980,000	4,823,000	1,649,000	2,741,000	384,000	23,836,000	28,610,000
Burma	1,478,000	43,546,000	286,000	500,000	46,080,000	319,000	52,430,000	2,837,000	4,056,000	59,642,000
Federated Shan States	31,000	4,837,000	21,000	15,000	4,904,000	1,000	511,000	4,000	125,000	641,000
Bihar and Orissa	195,000	2,335,000	50,000	161,000	2,741,000	66,000	3,268,000	23,000	3,557,000	6,914,000
Assam	80,000	5,751,000	465,000	...	6,296,000	126,000	4,340,000	1,905,000	7,000	6,378,000
Central Provinces	6,290,000	5,163,000	381,000	...	11,833,000	10,176,000	26,230,000	1,049,000	118,000	37,573,000
Coorg	116,723	320,406	325	...	437,544	37,260	03,200	410	...	130,870
North-West Frontier Province	17,000	1,461,000	4,000	...	1,482,000	63,000	38,000	1,269,000	315,000	1,685,000
Ajmer	...	1,304	...	169	1,473	299,852	276,617	...	...	576,469
Baluchistan	1,635	2,531	5,345	529	10,040	50,720	701,312	7,756	...	759,788
Andamans	1,907,000	9,000	40,000	57,000	2,013,000	759,000	87,000	292,000	29,000	1,167,000
Madras	1,494,000	2,018,000	321,000	21,000	3,844,000	1,078,000	17,240,000	136,000	8,000	(a) 18,462,000
Bombay	776,000	5,852,000	89,000	189,000	6,906,000	1,150,000	39,515,000	6,000	27,913,000	68,584,000
Total 1935-36	14,080,358	90,827,331	1,826,670	2,700,698	109,435,057	17,144,832	172,914,129	8,857,166	73,819,000	272,735,127
„ 1934-35	12,539,376	79,733,860	1,893,935	3,050,454	97,197,645	15,270,549	216,392,691	10,898,120	64,194,000	306,755,360
„ 1933-34	12,745,916	69,961,885	1,729,463	2,858,730	87,295,994	12,133,912	152,955,135	10,195,040	54,677,000	229,961,087
„ 1932-33	15,195,912	66,815,373	1,607,193	3,109,100	86,727,578	13,788,138	148,747,053	9,251,080	55,193,280	226,979,551
„ 1931-32	14,345,863	61,486,876	1,669,097	3,074,937	80,596,803	13,193,161	150,621,556	7,382,130	54,117,888	225,314,735

(a) Including the total output of Timber and Fuel is 22,306,000 c. ft.

STATEMENT XIV—*contd.*

Forest Produce removed by different agencies—*contd.*

Part II.—Value of Minor Forest Produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor Produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	1,637	1,29,357	610	...	1,31,604	...	37,490	31,185	...	68,675	6,783	2,02,504	2,274	...	2,11,561
United Provinces .	191	99,646	19	6,949	1,06,805	384	1,59,386	31,560	3,17,441	5,38,771	4,26,371	3,02,728	304	58,325	7,87,688
Punjab . . .	12,125	4,921	1	534	17,581	...	1,32,202	40,657	13,92,743	15,74,602	2,05,455	14,007	302	22,385	2,42,299
Burma . . .	296	2,63,574	12,363	12,417	2,88,650	...	14,801	38,944	1,28,534	1,82,279	11,331	2,17,846	603	20,807	2,50,487
Federated Shan States.	...	3,323	319	358	4,000	...	2,123	6,260	2,272	10,655	50	98,781	18	1,838	1,00,687
Bihar and Orissa .	1,411	61,652	247	4,929	68,239	...	8,971	71	1,35,434	1,44,476	2,110	50,730	383	6,381	59,004
Assam . . .	84	42,473	9,427	432	52,416	...	36,323	742	25,053	62,118	54,328	2,57,260	1,02,460	358	4,14,406
Central Provinces .	18,888	2,65,272	8,991	...	2,93,151	662	13,37,834	1,78,315	375	15,17,186	41,843	2,18,038	21,951	2,400	2,85,132
Coorg . . .	252	1,569	78	...	1,899	...	925	4,718	156	5,799	224	33,194	3,059	...	36,477
North-West Frontier Province.	...	...	...	...	...	...	5,719	1,412	6,158	13,289	45,667	1,187	...	...	46,854
Ajmer . . .	...	555	...	...	555	1,249	14,893	1,549	25,301	42,992	749	2,362	...	...	3,111
Baluchistan . .	...	...	...	...	...	...	7,522	1,200	53,750	62,472	18	423	6,763	2	7,206
Andamans . .	...	15	1,215	257	1,487	...	...	...	...	...	...	1,575	4,007	232	5,814
Madras . . .	22,307	3,65,545	1,645	189	3,89,686	219	6,13,204	19,878	7,705	6,40,126	33,781	5,06,795	2,641	466	5,43,683
Bombay . . .	10	68,755	1,113	60,589	1,50,467	...	7,71,847	26,575	16,08,396	24,06,808	1,665	1,11,344	8,781	4,99,082	6,20,872
TOTAL 1935-36 .	57,201	13,26,657	36,028	86,654	15,06,540	2,514	31,72,800	3,93,066	37,03,368	72,70,248	8,30,275	20,19,164	1,53,556	6,12,276	36,15,281
,, 1934-35 .	51,606	13,67,943	40,812	98,198	15,58,559	6,787	32,03,248	4,28,397	28,17,527	64,55,959	9,28,302	20,58,083	1,64,890	1,62,542	33,13,817
,, 1933-34 .	49,08	12,58,414	43,707	77,150	14,28,358	3,420	30,99,119	4,63,068	28,82,377	64,48,004	8,60,993	21,66,943	1,56,381	1,46,765	33,31,082
,, 1932-33 .	39,772	14,88,613	26,846	74,444	16,29,675	6,681	30,61,884	4,15,089	28,79,153	63,62,809	7,32,502	20,40,855	1,45,956	1,55,013	30,75,226
,, 1931-32 .	39,814	73,89,054	26,373	75,679	15,30,920	5,690	30,84,500	3,78,199	29,01,986	63,70,375	7,65,506	23,08,808	1,70,145	1,81,643	34,26,102

STATEMENT XV.

Exports of Forest Produce.

Articles of forest produce.	Quantity in tons of 20 cwts. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1935-36.	
	Average of 5 years 1930-31 to 1934-35.	In 1935-36.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	7,616	13,682	88,71,380	648
Lac — Button	941	1,469	11,47,421	781
Lac — Shell	18,862	14,227	1,03,51,106	728
Lac — Stick, seed and other kinds	7,659	8,683	43,37,828	499
Cutch and gambier	1,784	1,883	5,07,029	269
Myrabolams	62,287	74,117	46,72,385	63
Cardamoms	496	598	18,93,437	3,166
Sandal	715	862	9,25,341	1,073
Teak	29,903	58,242	1,11,72,481	192
Other kinds of wood and timber *	...	...	12,45,993	...
TOTAL 1935-36	...	1,73,763	4,51,24,401	7,419
,, 1934-35	...	...	5,72,85,198	...
,, 1933-34	...	...	4,60,75,859	...
,, 1932-33	...	...	2,60,72,981	...
,, 1931-32	...	...	3,88,06,908	...

* Quantity not recorded.

STATEMENT XV (*a*).

Imports of Timber into British India.

Year (calendar).	Imports of timber into British India.		Imports of sleepers of wood for railways into British India.	
	Cubic tons.	Rs.	Tons.	Rs.
1932	12,218	11,37,996	...	...
1933	18,475	15,74,950	6	612
1934	19,440	15,15,918	...	...
1935	14,574	9,52,030	...	...
1936	29,107	19,32,080	...	24
	93,814	71,12,974	6	636

STATEMENT XVI.

Estimated value of Forest Produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,626	10,089	610	38,176	2,274	52,775
United Provinces	73,000	1,23,000	7,000	3,49,000	58,000	6,10,000
Punjab	64,604	10,37,143	535	14,42,400	22,747	25,67,429
Burma	65,396	31,778	12,363	38,944	603	1,49,084
Federated Shan States	4,574	41	319	6,260	18	11,212
Bihar and Orissa	28,036	43,862	5,176	1,35,505	6,764	2,19,343
Assam	41,405	14,963	9,859	28,501	1,02,818	1,97,551
Central Provinces	31,841	38,258	8,991	13,67,553	24,768	14,71,411
Coorg	208	...	78	4,874	3,059	8,219
North-West Frontier Province	2,441	44,192	...	7,570	...	54,203
Ajmer	...	...	...	26,850	...	26,850
Baluchistan	1,572	1,595	...	54,950	6,765	64,882
Andamans	8,592	3,262	1,472	...	4,240	17,566
Madras	58,252	6,492	1,834	49,251	3,107	1,18,936
Bombay	27,823	213	1,113	26,575	8,781	4,505
TOTAL 1935-36	4,09,370	13,54,893	49,350	35,76,409	2,43,944	56,33,966
„ 1934-35	4,83,391	17,30,294	1,24,173	29,33,826	17,45,897	70,17,081
„ 1933-34	3,97,257	14,40,019	1,06,857	30,05,475	17,11,195	66,60,803
„ 1932-33	4,48,137	15,41,716	89,593	30,05,718	16,96,958	67,82,122
„ 1931-32	4,20,594	14,85,409	88,626	24,74,014	17,46,255	62,14,896

STATEMENT XVII.

Details of Revenue and Expenditure for the financial year 1935-36.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	1,97,39,976	69·2
			(b) Minor forest produce	28,77,303	10·1
			(c) Forest stamps and commutation fees for forest produce	94,217	0·3
			(d) Grazing	31,62,068	11·1
			(e) Revenue from forests not managed by Government	6,21,703	2·2
			(f) Miscellaneous	19,85,566	7·1
			Total Revenue	2,85,11,903	100·0
Expenditure	A Recurring	(a) Administration.	(i) Superior Staff	1,28,82,814	64·6
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	36,66,148	18·4
			(2) Roads and Buildings	10,87,241	5·4
			(3) Fire protection	2,30,184	1·2
			(4) Cultural operations	7,22,633	3·6
			(5) Live-stock, stores and plant	3,61,635	1·8
			(6) Working-Plans	49,669	0·2
			(7) Rent for leased forests	2,17,592	1·1
			(8) Miscellaneous	6,26,433	3·1
		(c) Expenditure on realization of revenue from forests not managed by Government.		11,535	0·1
		*(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).		98,575	0·5
			Total	1,99,54,459	100·0
	B Extraordinary	(e) Forest Settlement		6,649	0·6
		(f) Forest Survey		956	0·1
		(g) Forest Demarcation		18,739	1·6
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		6,52,061	58·0
		(i) Share of Capital charges transferred to 8-A		4,46,367	39·7
			Total	11,24,772	100·0
			GRAND TOTAL OF EXPENDITURE	2,10,79,231	...
			Net Revenue	74,32,672	...

(Excluding Burma and Federated Shan States.)

STATEMENT XVII(*a*).

Details of Revenue and Expenditure for the financial year 1935-36

(Burma and Federated Shan States only.)

				Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood			1,32,05,982	91·5
	(*b*) Minor forest produce			5,83,524	4·0
	(*c*) Grazing			26,534	0·2
	(*d*) Revenue from forests not managed by Government			1,92,510	1·3
	(*e*) Miscellaneous			4,33,791	3·0
			Total Revenue	1,44,42,341	100·0
Expenditure	A Recurring	(*a*) Administration.	(*i*) Superior Staff	46,22,217	79·8
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		
			(*iii*) Office Establishment (including Contingencies).		
		(*b*) Working	(1) Extraction	5,30,791	9·2
			(2) Roads and Buildings	1,88,693	3·3
			(3) Fire protection	23,931	0·4
			(4) Live-stock, stores and plant	1,79,936	3·1
			(5) Working-Plans, revision and maintenance.	...	...
			(6) Maintenance and boundaries	16,509	0·3
			(7) Regeneration and improvement	64,911	1·1
			(8) Silvicultural Research	3,234	0·1
			(9) Utilisation Research	...	...
			(10) Other Works	13,128	0·2
			(11) Miscellaneous	1,44,863	2·5
			(12) Losses of Government commercial undertakings.	...	...
			Total	57,88,213	100·0
	B Extraordinary	(*c*) Forest Settlement		612	0·1
		(*d*) Forest Survey		1,044	0·2
		(*e*) Forest Demarcation		3,240	0·7
		(*f*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		4,60,819	94·9
		(*g*) Share of capital charges transferred to 8-A		20,057	4·1
			Total	4,85,772	100·0
			GRAND TOTAL OF EXPENDITURE	62,73,985	...
			Net Revenue	81,68,356	...

(Burma and Federated Shan States only.)

STATE

Summary of Revenue and Expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar and Orissa (includes Angul Division).	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	4,06,214	4,68,965	10,15,003	20,37,219	9,489	57,446
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	14,82,884	40,91,052	6,53,354	1,17,78,821	6,84,495	12,04,395
III.—Drift and waif wood and confiscated forest produce.	...	4,613	1,390	13,406	1,36,464	359	13,886
IV.—Revenue from forests not managed by Government.	...	...	31,263	1,214	1,92,510	...	48,931
V.—Miscellaneous	...	1,33,699	2,74,914	2,72,134	3,10,694	38,405	1,77,850
Deduct—Refunds	...	—17,004	—12,669	—2,499	—13,367	—396	—18,441
TOTAL REVENUE .	...	20,10,406	48,54,915	19,52,612	144,42,341	7,32,352	14,84,067
EXPENDITURE.							
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.							
I.—Timber and other produce removed from the forests by Government Agency.	...	1,65,083	2,58,597	3,60,845	3,10,912	7,884	2,303
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,51,558	1,29,691	2,699	1,94,293	24,936	29,622
III.—Drift and waif wood and confiscated forest produce.	...	823	263	3,971	25,586	25	707
IV.—Revenue from forests not managed by Government.	...	...	11,535	...	4,104	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	455	6,665	1,10,227	...	46,083	20,990
VI.—Live-stock, stores, tools and plant . .	...	79,413	52,692	20,167	1,79,936	3,757	19,037
VII.—Communications and buildings . .	...	1,00,432	2,52,837	54,466	1,88,693	67,237	89,593
VIII.—Demarcation, improvements and extension of forests.	...	96,581	2,73,142	2,08,235	1,21,713	37,490	53,885
IX.—Miscellaneous	...	14,754	9,050	...	1,40,991	18,518	42,316
Work Advances	...	—700	...	—4,531	—232	...	...
Total A.—Conservancy, Maintenance and Regeneration.	...	6,08,349	9,94,478	8,16,079	11,65,996	2,05,930	2,58,453
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	46,820	8,52,000	17,24,266	10,34,175	46,29,336	5,05,832	7,84,471
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	60,153	*64,337	1,80,715	4,60,782	—240	51,930
D.—Total share of Capital charges transferred to 8-A (i.e., Capital charges met from Revenue).	...	32,724	...	1,60,137	17,871	39,982	33,488
E.—Total Capital Outlay under 52-A (i.e., not transferred to 8-A).	...	...	...	...	...	...	...
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	46,820	15,53,316	27,18,744	21,91,156	62,73,985	7,51,504	11,28,342
SURPLUS . (Excluding expenditure under E.)	...	4,67,090	21,36,171	...	81,68,356	...	3,55,725
DEFICIT .	46,820	...	...	2,38,544	...	19,152	...
Proportion of surplus to gross revenue . .	...	22	44	...	57	...	14·2
Net revenue per square mile of forest area under control of Forest Department.	...	42	407	...	49	...	53·5

* In U. P. this item is not taken into account in calculating the surplus of the Deptt.

MENT XVIII.

Forest Department in India for the financial year 1935-36.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
17,81,112	2,29,154	57,913	39,874	2,926	14,76,920	...	16,43,605	13,78,615	1,06,04,455
28,03,806	88,961	2,54,302	34,616	12,495	2,864	...	18,38,161	41,44,859	2,90,75,065
1,815	...	3,122	...	...	...	...	8,597	3,412	1,87,064
4,628	...	44,235	...	10,148	...	...	4,70,305	10,978	8,14,212
3,51,100	8,630	31,093	11,663	4,978	15,400	31,070	3,52,289	3,69,123	23,83,042
—3,157	—124	—1,232	...	...	—339	...	—23,346	—17,021	—1,09,595
49,39,304	3,26,621	3,89,433	86,153	30,547	14,94,845	31,070	42,89,611	58,89,966	4,29,54,243
6,02,120	31,716	30,921	24,125	1,308	7,45,743	...	4,33,148	4,55,401	34,30,106
1,56,244	869	1,171	434	63	852	...	1,70,951	69,163	9,32,546
101	...	2,274	...	...	...	...	...	...	33,750
...	...	749	...	...	...	...	...	...	16,388
1,500	...	17,175	...	...	...	...	...	14,497	2,17,592
20,774	12,192	1,964	285	370	33,891	4,539	1,02,546	5,459	5,37,021
1,88,781	10,196	23,516	3,827	1,007	4,284	1,054	1,84,348	1,18,581	12,88,852
1,63,982	30,139	16,181	2,400	1,643	23,985	...	27,633	1,02,998	12,19,968
1,39,188	2,064	1,867	361	350	308	52,255	1,89,408	32,791	5,92,599
—2,378	...	...	...	...	(a)—15,519	...	—106	...	—23,461
12,70,317	87,176	95,818	31,432	4,741	7,93,544	57,847	10,57,923	7,98,890	82,45,361
19,94,772	1,07,777	1,82,157	34,532	32,585	1,80,635	5,23,734	27,32,372	21,57,079	1,75,22,633
1,88,051	12,494	—21	...	...	...	...	—890	95,502	10,48,476
86,210	4,111	3,856	100	...	12,830	445	...	57,843	7,34,600
...	...	21,120	...	...	...	...	...	...	32,724
35,39,350	2,11,558	3,02,930	66,064	37,326	9,87,009	5,82,026	37,89,405	31,09,314	2,73,53,216
13,99,954	1,15,063	86,503	20,089	...	5,07,836	...	5,00,206	27,80,652	1,64,63,278
...	...	...	...	—6,779	...	5,50,956	...	...	8,62,251
1 : 3·6	1 : 3	·22	·23	...	33·97	...	12	47	...
72·2	222	1,381	141	...	232	...	80	233	...

(a) Suspense.

STATE

Revenue of the Forest Department throughout India for the 36 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . . .	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal* . . .	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	3,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces .	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab . . .	6,67,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma . . .	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam† . . .	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg . . .	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer . . .	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan . .	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans . .	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...
Madras . . .	6,03,243	5,88,389	8,06,020	13,00,461	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay . . .	11,77,673	12,28,561	16,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL .	56,30,061	66,60,397	88,17,273	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	...
Bengal	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529	28,56,420
United Provinces . . .	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987	64,26,281
Punjab	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,583	37,27,312	41,12,076
Burma	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399 (a)	1,96,77,824 (a)	2,23,46,518 (a)
Bihar and Orissa . . .	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	10,70,268	10,28,592
Assam	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756	30,39,140
Central Provinces and Berar .	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	49,87,409
Coorg	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	5,38,518
North-West Frontier Province .	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767	7,44,207
Ajmer	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	72,759
Baluchistan	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593	23,621
Andamans	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597	8,91,029
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	1,05,697
Forest Surveys (Imperial) .	...	...	...	...	...	...	...	...	...
Madras	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	51,70,520
Bombay	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964	75,28,038
GRAND TOTAL .	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	5,98,70,825

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Excludes Rs. 52,151 deducted on account of Refunds.

MENT XIX.

from 1899-1900 to 1935-36 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,082	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,782	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,999	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,693	18,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,820	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1926-27	1927-28.	1928-29.	1929-30.	1930-31.	1931-32	1932-33.	1933-34.	1934-35.	1935-36.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	...	...	Imperial.
31,23,841	33,49,480	31,18,357	30,52,078	23,12,049	16,94,479	15,11,717	15,02,561	17,82,542	20,10,406	Bengal.
58,71,303	72,01,183	61,80,391	61,79,638	49,76,118	45,28,923	45,95,584	45,16,911	49,02,271	48,54,915	United Provinces.
39,07,731	31,91,217	35,28,025	31,57,771	23,84,898	22,44,209	19,52,000	19,48,176	18,84,992	19,52,612	Punjab.
2,35,94,060	2,24,07,668 (b)	1,81,00,143	2,03,66,104	1,56,68,850	1,13,96,019	92,42,859	88,39,554	1,22,76,181	1,44,42,341	Burma.
9,43,752	9,38,760	10,97,161	9,39,275	8,11,407	6,28,013	6,18,853	6,84,823	8,11,396	7,32,352	Bihar and Orissa.
31,33,473	36,13,460	37,67,873	35,20,008	22,63,077	19,27,078	16,16,405	14,57,198	14,30,413	14,84,067	Assam.
53,21,376	50,78,160	54,46,316	59,97,508	51,11,894	44,47,111	42,90,168	44,06,011	47,91,425	49,39,304	Central Provinces and Berar.
4,58,145	4,93,372	5,25,636	5,72,031	3,09,073	4,85,821	3,37,323	4,32,344	3,54,418	3,26,621	Coorg.
7,91,166	7,56,700	8,29,377	8,64,377	8,03,902	7,31,285	7,39,710	4,35,260	2,74,181	3,89,433	Province.
66,934	76,515	87,924	93,803	95,273	87,587	90,425	88,258	89,445	86,153	Ajmer.
27,942	29,867	23,425	29,300	29,277	27,976	25,615	22,340	36,905	30,547	Baluchistan.
11,70,863	14,18,062	15,00,706	20,06,813	19,37,596	14,51,463	16,22,129	14,01,064	11,09,488	14,94,845	Andamans,
2,74,025	1,16,167	1,06,001	1,03,866	90,605	29,092	58,960	13,055	3,972	31,070	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
56,23,700	53,44,431	61,54,773	64,64,825	52,69,087	42,54,874	47,38,169	39,43,068	42,26,220	42,89,611	Madras.
76,56,420	72,94,094	73,43,035	79,74,964	52,23,753	56,73,847	59,71,103	54,30,090	55,33,750	58,89,966	Bombay.
6,19,64,731	6,13,09,136	5,78,09,143	6,13,22,361	4,72,86,859	3,96,07,777	3,74,11,020	3,51,20,713	3,95,07,599	4,29,54,243	GRAND TOTAL.

(a) Orissa.
(b) to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 36 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial* . . .	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal† . . .	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces .	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583
Punjab . . .	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma . . .	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,268	33,52,404	34,46,924
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡ . . .	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg . . .	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,427	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958
Ajmer . . .	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan . .	...	...	12,594	16,180	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans . .	739	481	5,129	41,108	1,76,189	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,389	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,780	33,985	33,935	28,229
Madras . . .	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay . . .	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL .	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	90,323	1,10,638	1,32,777	1,08,993	2,57,011	4,33,494	1,44,489	1,68,595	1,18,903
Bengal	7,38,712	8,25,835	9,72,807	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	12,60,968
United Provinces . . .	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005	36,95,346
Punjab	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488	27,01,510
Burma	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159 (a)	96,28,313 (a)	86,87,943 (a)
Bihar and Orissa . . .	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397	6,65,624
Assam	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853	15,67,983
Central Provinces and Berar .	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	33,45,729
Coorg	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	3,05,395
North-West Frontier Province .	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,88,713	5,47,321
Ajmer	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	55,161
Baluchistan	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	31,358
Andamans	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	11,35,063
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365	8,14,033
Forest Surveys (Imperial) . .	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	...
Madras	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	48,23,239
Bombay	33,53,714	78,72,'97	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317	42,07,626
GRAND TOTAL .	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883	3,39,63,202

* Includes pay of Inspector General of Forests, Assistant Inspector General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal Districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*contd.*

from 1899-1900 to 1935-36 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,033	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	16,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,838	1,76,633	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883	GRAND TOTAL.

1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35	1935-36.	Province.
Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,23,858	61,661	59,361	61,498	1,93,252 (b)	59,082	45,019	46,667	41,758	46,820	Imperial.
17,34,761	17,02,458	16,82,191	16,65,180	15,95,129	16,61,044	15,08,613	14,42,183	14,90,019	15,53,316	Bengal.
33,73,499	39,93,803	32,43,716	33,88,710	32,78,623	26,44,164	26,03,979	26,54,580	27,39,932	27,83,081	United Provinces.
27,03,386	29,54,874	24,93,319	29,69,197	28,01,464	21,04,402	22,09,140	21,37,940	21,85,458	21,91,156	Punjab.
89,40,884 (a)	88,37,858 (a)	84,24,771 (a)	78,08,595 (a)	75,61,238 (a)	66,52,310 (a)	68,64,385 (a)	65,27,464 (a)	60,22,858 (a)	62,73,985	Burma.
10,33,069	6,63,374	8,50,373	9,02,662	7,34,695	7,63,257	6,31,793	6,68,071	6,42,959	7,51,504	Bihar and Orissa.
14,47,506	14,45,767	21,22,366	22,20,302	21,16,589	16,11,208	14,10,217	11,97,019	11,75,244	11,28,342	Assam.
36,48,691	34,99,468	36,49,259	39,75,653	39,60,817	34,53,164	32,72,297	33,43,399	34,32,300	35,39,350	Central Provinces and Berar.
2,84,770	2,50,186	2,65,133	3,11,454	2,97,350	2,28,515	1,99,098	2,06,074	2,11,423	2,11,558	Coorg.
6,40,719	6,91,414	8,34,935	8,40,218	8,13,708	7,53,898	6,18,792	3,98,670	3,00,607	3,02,930	North-West Frontier Province.
79,728	82,854	76,355	81,200	83,821	87,684	75,158	62,432	1,08,510	66,064	Ajmer.
32,422	34,019	36,878	37,651	41,725	34,686	32,369	34,948	36,289	37,326	Baluchistan.
12,20,097	14,50,684	13,28,927	16,47,454	17,27,018	12,31,667	13,10,763	10,96,756	10,30,011	9,87,009	Andamans.
8,96,566	9,35,364	9,41,737	9,31,834	9,69,467	7,33,174	6,02,578	6,06,945	5,82,717	5,82,026	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
50,36,844	47,69,594	45,59,503	48,18,627	46,79,321	39,89,887	37,89,150	39,20,340	38,83,301	37,89,405	Madras.
43,59,516	43,11,781	44,92,445	46,75,278	43,51,586	40,66,782	36,23,206	32,86,367	31,15,438	31,09,344	Bombay.
3,56,06,316	3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	3,00,74,924	2,87,96,552	2,76,29,855	2,69,98,824	2,73,53,216	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 36 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,95,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,696	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,840	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,686	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,09

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—38,612	—83,150	—1,08,250	—1,41,871	—3,29,208	—4,06,941	—1,14,938	—1,38,495	—1,18,903
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	15,95,452
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	27,30,935
Punjab	9,59,728	3,58,874	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498 (a)	11,12,824 (a)	14,10,566 (a)
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240	1,00,49,511	1,36,58,575
Bihar and Orissa	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871	3,62,968
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	11,47,903	14,71,157
Central Provinces and Berar	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	16,41,680
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	2,33,123
North-West Frontier Province	1,83,836	1,78,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	1,96,886
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937	17,598
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	—7,737
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,832	—4,28,093	—2,44,034
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	—7,08,336
Forest Surveys (Imperial)	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...	...
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	3,47,281
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	33,20,412
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	2,59,07,623

* Includes pay of Inspector General of Forests, Assistant Inspector General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1935-36 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,532	3,26,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—3,830	—3,368	—5,322	—6,942	—6,362	—8,632	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,978	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35.	1935-36.	Province.
Rs.	Rs.	Rs.	Rs.	Rs. (b)	Rs.	Rs.	Rs.	Rs.	Rs.	
—1,23,858	—61,661	—59,361	—61,498	—1,93,252	—59,082	—45,019	—46,667	—41,758	—46,820	Imperial.
13,89,080	16,47,027	14,36,166	13,86,898	7,16,920	33,435	3,104	60,378	2,92,523	4,57,090	Bengal.
24,97,804	32,07,880	29,36,675	27,90,928	16,97,495	18,84,759	19,91,605	18,62,331	21,62,339	20,71,834	United Provinces.
12,04,345	2,36,343	10,34,706	1,88,574	—4,16,566	1,39,807	—2,57,140	—1,39,764	—3,00,466	—2,38,544	Punjab.
1,46,53,176 (a)	1,35,69,810 (a)	96,75,372 (a)	1,25,57,509 (a)	81,07,612 (a)	47,43,709 (a)	23,78,474 (a)	23,12,090 (a)	62,53,323 (a)	81,68,356	Burma.
—1,39,317	2,75,386	2,46,788	36,613	76,712	—1,35,244	—12,940	16,752	1,68,435	—19,152	Bihar and Orissa.
16,85,967	21,67,693	16,45,507	12,99,706	1,46,488	3,15,870	2,06,188	2,60,179	2,57,506	25	Assam.
16,72,685	15,78,692	17,97,057	20,21,855	11,51,077	9,93,947	10,17,871	10,62,612	13,59,524	13,99,954	Central Provinces and Berar.
1,73,375	2,43,186	2,60,503	2,60,577	11,723	2,57,306	1,38,225	2,26,270	1,42,995	1,15,063	Coorg.
1,50,447	65,286	—5,558	24,159	—9,806	—22,613	1,20,918	36,590	—26,426	86,503	North-West Frontier Province.
—12,794	—6,339	11,569	12,603	11,452	—97	15,272	25,826	26,893	20,089	Ajmer.
—4,480	—4,152	—13,453	—8,351	—12,448	—6,710	—6,754	—12,608	...	—6,778	Baluchistan.
—49,234	—32,622	1,71,779	3,59,359	2,10,578	2,19,796	3,11,366	3,04,308	79,477	5,07,836	Andamans.
—6,22,541	—8,19,197	—8,35,736	—8,27,968	—8,78,862	—7,04,082	—5,43,618	—5,93,890	—5,78,745	—5,50,956	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
5,86,856	5,74,837	15,95,270	16,46,198	5,89,766	2,64,987	9,49,019	22,728	6,18,198	5,00,206	Madras.
32,96,904	29,82,313	28,50,590	32,99,686	8,72,167	16,07,065	23,47,897	21,43,723	24,18,312	27,80,622	Bombay.
2,63,58,415	2,56,24,482	2,27,47,874	2,49,86,848	1,20,81,056	95,32,853	86,14,468	74,90,858	1,28,32,130	1,56,01,028	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.]
Orissa.
to Bengal.

STATEMENT No. XX.

Forest Area by ownership (in square miles):

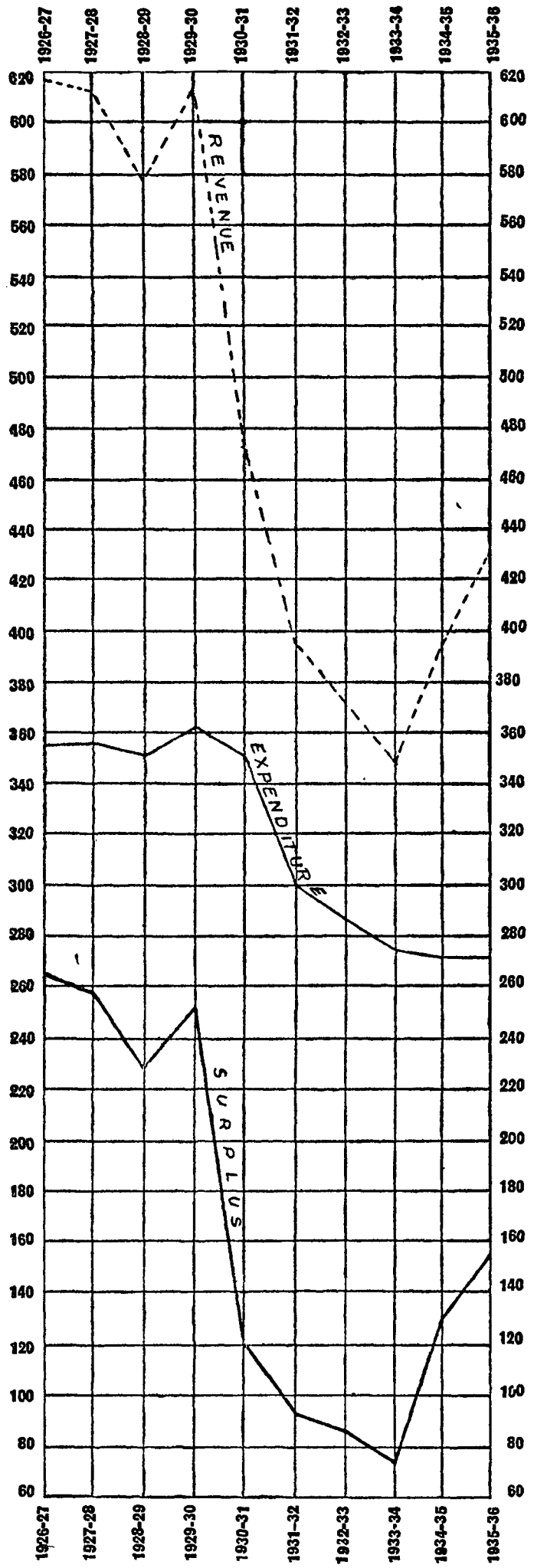
Province.	Type of Forests.	The State.			Corporate Bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forest.	Total.				
1	2	3	4	5	6	7	8	9
Bengal	Merchantable	7,185	30	7,215	...	1,633	8,848	
	Unprofitable or inaccessible	21	3,445	3,466	...	...	3,466	
United Provinces	Merchantable	3,491	700	4,191	21	1,200	5,412	
	Unprofitable or inaccessible	...	10,084	10,084	...	1,876	11,960	
Punjab	Merchantable	825	233	1,058	132	...	1,190	
	Unprofitable or inaccessible	1,354	2,772	4,126	666	...	4,792	
Burma	Merchantable	22,152	53,599	75,751	...	...	75,751	
	Unprofitable or inaccessible	6,468	40,970	47,438	...	...	47,438	
Federated Shan States	Merchantable	2,155	6,072	8,227	...	...	8,227	
	Unprofitable or inaccessible	255	34,389	34,644	...	...	34,644	
Bihar and Orissa	Merchantable	902	2,910	3,812	...	7,472	11,284	
	Unprofitable or inaccessible	...	679	679	...	...	679	
Assam	Merchantable	...	...	...	...	...	...	Figures not available.
	Unprofitable or inaccessible	—	—	...	...	...	...	
Central Provinces	Merchantable	12,403	5,784 (a)	18,187	...	16,185	34,372	
	Unprofitable or inaccessible	2,040	2,824 (b)	4,864	...	9,285	14,149	
Coorg	Merchantable	372	188	560	...	202	762	
	Unprofitable or inaccessible	123	138	261	...	148	409	
North-West Frontier Province.	Merchantable	146	18	164	35	...	199	
	Unprofitable or inaccessible	...	130	130	...	...	130	
Ajmer	Merchantable	100	...	100	...	...	100	
	Unprofitable or inaccessible	42	...	42	...	...	42	
Baluchistan	Merchantable	...	...	...	...	...	...	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Andamans	Merchantable	2,055	...	2,055	...	...	2,055	
	Unprofitable or inaccessible	130	...	130	...	...	130	
Madras	Merchantable	4,201	6,890	11,091	...	5,482	16,573	
	Unprofitable or inaccessible	2,338	5,588	7,926	...	14,389	22,315	
Bombay	Merchantable	7,642	1,123	8,765	...	165	8,930	
	Unprofitable or inaccessible	...	5,429	5,429	...	...	5,429	
Total	Merchantable	63,629	77,547	1,41,176	188	32,339	1,73,703	
	Unprofitable or inaccessible	12,771	1,06,348	1,19,219	666	25,698	1,45,583	
	GRAND TOTAL	76,400	1,83,995	2,60,395	854	58,037	3,19,286	
	Percentage of total Forest Area	23·7	69·2	90·9	0·3	21·8	...	

(a) Includes 2,486 sq. miles Ryotwari Forests.
(b) „ 1,167 „ „ „ „

APPENDIX.

DIAGRAM SHOWING ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS

for the 10 years 1926-27 to 1935-36.



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APPENDIX.

Diagram showing annual Forest Revenue, Expenditure and Surplus for the 10 years 1927-28 to 1936-37.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,960	6,469	889	3,445	10,803	14·0	
United Provinces	106,014	5,194	(a) 5	52	5,251	4·9	(a) Includes 1 square mile of leased forest.
Punjab	95,315	1,175	3,207	460	4,842	5·1	
Burma	(b) 196,183	31,339	...	92,230	123,569	63·0	(b) Revised figure. Includes Tribal Territory.
Federated Shan States	(c) 61,058	3,163	...	(d)15,873	19,036	31·2	(c) Includes uncontrolled portion of Wa state. (d) Excludes 24,783 square miles exempted from operation of the Forest Act.
Bihar	69,257	(e)1,144	(f)639	(g)3	1,786	2·6	(e) Includes 63 square miles belonging to private estates under the management of the Forest Department and excludes 277 square miles belonging to private individuals under their own management. (f) Includes 21 square miles of private estate forests under the management of the Forest Department and excludes 313 square miles under the Civil Department and 102 square miles belonging to private individuals under the management of the owner. (g) Excludes 269 square miles belonging to private individuals under negotiations with a view to reservations or protection and includes about 2 square miles covered by roads, buildings, etc., belonging to the Forest Department.
Orissa	32,179	(h) 1,401	(i) 583	1	1,985	6·2	(h) Excluding 7 square miles of private forest under management of the Forest Department. (i) Including 379 square miles of reserved land of *ex*-Madras area.
Assam	55,445	6,604	...	14,789	21,393	38·6	
Central Provinces (including Berar).	98,445	19,413	...	...	19,413	19·7	
Coorg	1,593	519	26	294	839	52 7	
North-West Frontier Province.	13,184	266	...	16	282	2·1	
Ajmer-Merwara	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	46,974	341	...	472	813	1·7	
Andamans and Nicobar	2,508	52	...	2,137	2,189	87 0	
Madras	125,163	(j) 15,093	(k) 152	...	15,245	12·2	(j) Includes 93 square miles of Ryots forests under the control of the Forest Department. (k) Represents reserved lands. (l) Includes 2,257 square miles of reserved and protected forests under the management of the Revenue Department.
Bombay	76,127	12,218	780	...	(l) 12,998	17·1	
Sind	47,138	1,079	78	...	1,157	2·5	
Total 1936-37	1,106,310	105,612	6,359	129,772	241,743	23·6	
,, 1935-36	1,101,356	106,122	6,812	153,085	266,019	24·2	
,, 1934-35	1,100,641	106,240	6,938	168,333	281,511	25·5	
,, 1933-34	1,099,503	106,079	7,003	169,582	282,664	25·7	
,, 1932-33	1,099,511	106,179	7,212	147,828	261,219	23·7	

STATEMENT II.

Progress made in Forest Settlements during the year 1936-37.

Province.		Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
		Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1		2.	3	4	5	6	7
					Rs.	Rs.	Rs.
Bengal		...	58	...	...	...	...
United Provinces		...	...	...	...	...	...
Punjab		...	...	...	...	...	...
Burma		1	294	314	141	...	...
Federated Shan States		...	...	1	...	...	...
Bihar		38	295	35	7,671	...	...
Orissa		7	7	...	...	...	...
Assam		204	265	75	278	...	...
Central Provinces		...	...	1	...	...	...
Coorg		...	...	...	...	...	...
North-West Frontier Province		...	...	17	...	...	...
Ajmer		...	...	...	...	...	...
Baluchistan		...	...	...	...	...	...
Andamans		...	52	...	...	...	...
Madras		56	349	...	...	...	...
Bombay		5	5	...	...	...	...
Sind		30	32	...	...	...	...
Total	1936-37	841	1,357	475	8,090	...	...
	1935-36	42	847	816	767	...	...
	1934-35	310	877	272	175	...	...
	1933-34	179	950	160	53	...	...
	1932-33	653	1,757	280	571	...	...

STATEMENT III.

Demarcation and Maintenance of Boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	716	1,351	2,902	4,969	14	1,381	6,364	863	11,759
United Provinces .	...	2,753	5,879	8,632	2	2,902	11,536	1,526	16,326
Punjab . . .	21	2,122	6,713	8,856	1	1,268	10,125	886	7,708
Burma . . .	9	2,638	14,606	17,253	72	4,172	21,497	150	19,843
Federated Shan States	...	69	1,365	1,434	...	602	2,036	...	608
Bihar . . .	264	3,179	308	3,751	...	265	4,016	631	2,063
Orissa . . .	...	2,667	1,253	3,920	...	244	4,164	...	2,627
Assam . . .	24	1,214	1,550	2,788	69	2,841	5,708	386	7,723
Central Provinces .	23	4,597	25,908	30,528	...	3,645	34,173	164	10,152
Coorg . . .	...	88	381	469	...	67	536	...	1,645
North-West Frontier Province.	11	266	563	840	...	139	979	344	1,842
Ajmer . . .	4	48	188	240	...	158	397	90	85
Baluchistan . .	...	227	233	460	...	77	537	...	349
Andamans . .	...	...	...	...	36	23	59	...	...
Madras . . .	103	16,669	3,448	20,220	933	2,182	23,335	1,018	10,579
Bombay . . .	74	23,270	12,759	36,103	34	1,956	38,093	574	3,854
Sind . . .	3	2,147	...	2,150	...	675	2,823	...	...
1936-37 .	1,252	63,305	78,056	142,613	1,161	22,597	166,378	6,632	97,163
1935-36 .	838	63,650	77,698	142,186	1,331	22,072	165,589	9,885	83,729
Total . 1934-35 .	1,161	61,705	78,881	188,385	3,909	22,033	164,327	8,610	75,996
1933-34 .	1,180	62,511	80,072	143,763	3,033	21,958	168,749	19,414	77,102
1932-33 .	759	61,613	80,999	143,371	1,202	21,823	166,396	18,901	73,217

STATEMENT IV.

Forest Survey Operations from 1st April 1936 to 31st March 1937.

Province.	Forest surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
		1" and ½" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1936-37.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Ajmer	...	...	...	...	...	...	...	...	172·04	.....	
Andamans	...	...	...	...	...	...	...	...	527·00	.....	
Assam	...	...	...	...	...	...	...	...	5,891·62	.....	
Baluchistan	...	...	...	...	...	...	...	...	249·90	.....	
Bengal	Chittagong	318·86	...	...	...	...	...	(a)318·86	6,642·47	.....	(a) and (b) Cost of surveys not debitable to "Forests".
	Chittagong Hill Tracts	161·48	...	...	...	...	...	(b)161·48			
Bihar	...	...	...	...	...	...	...	...	1,791·00	.....	
Bombay	...	...	...	...	...	...	...	...	13,233·00	.....	
Burma	South Pegu	...	...	...	...	0·82	(c) 887·5	(d) 0·82		947 0 0	
	Pyinmana	25·73	...	...	...	...	...	(e)25·73			(c) Excluding mapping and printing charges.
	Meiktila	24·17	...	...	...	...	...	(f) 24·17	29,341·19	.....	(d) Cost of Rs. 947 debitable to "Forests".
	Southern Shan States	44·17	...	...	...	...	...	(g) 44·17		-	(e), (f) and (g) Cost of surveys not debitable to "Forests".
	Arakan	21·39	...	...	...	(h)1·37	536·5	22·76		735 0 0	(h) Cost of surveys Rs. 735 debitable to "Forests".
Central Provinces.	...	...	...	...	...	...	...	...	19,636·30	.....	
Coorg	...	...	...	...	...	...	...	...	478·00	.....	

STATEMENT IV—*contd.*

Forest Survey Operations from 1st April 1936 to 31st March 1937—*contd.*

Province.	Forest surveyed.	Nature of survey operations. 1" and ¼" Detail survey. Area.	Cost rate.	2" Detail survey. Area.	Cost rate.	4" Detail survey. Area.	Cost rate.	Total area of detail survey. 1936-37.	Total up to date.	Expenditure of the year including mapping charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
India . .	...	...	...	...	...	...	...	...	...	.....	
Madras . .	...	...	...	...	...	...	...	...	17,078·00	.....	
N.-W. F. P.	...	...	...	...	...	...	...	...	465·00	.....	
Orissa . .	...	...	...	...	...	...	...	...	1,523·00	.....	
Punjab . .	...	...	...	...	...	...	...	...	4,385·00	.....	
Sind . .	...	...	...	...	...	...	...	...	1,160·00	.....	
United Provinces.	...	...	...	...	...	...	...	...	7,142·70	.....	
											Contributions to Forest Map Office by Provincial and Central Governments.
										Rs. A. P.	Rs.
TOTAL 1936-37	1st April 1936 to 31st March 1937.	595·80	...	...	...	2·19	...	597·99	110,110·82	1,682 0 0	40,200
,, 1935-36	1st April 1935 to 31st March 1936.	1,412·71	...	...	...	16·28	...	1,428·99	108,352·40	4,525 0 0	40,070
,, 1934-35	1st April 1934 to 31st March 1935.	383·36	...	...	...	...	...	383·36	106,923·41	.....	40,520
,, 1933-34	1st April 1933 to 31st March 1934.	960·73	...	...	...	...	...	960·73	106,540·05	.....	40,560
,, 1932-33	1st April 1932 to 31st March 1933.	402·55	...	...	...	...	...	402·55	105,579·32	.....	41,982

STATEMENT V.

Progress made in Working Plans.

Province.	Area under sanctioned working plans.					Area not under working plans.			Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,764	...	...	6,764	63·0	2·41	1	3,797	10,803	...	1,061	...	175
United Provinces	5,214	...	...	5,214	99·3	11	1	25	5,251	...	1,873	653	87,350
Punjab	2,172	7	7	2,172	45·0	13	19	2,638	4,842	15	15	...	...
Burma	24,897	187	148	24,936	79·6	5,134	194	1,075	31,339	...	11,045	1,535	...
Federated Shan States	1,371	20	...	1,391	44·0	1,772	...	...	3,163	...	923	448	...
Bihar	1,414	95	15	1,494	83·8	43	28	218	1,783	14	324	544	2,736
Orissa	1,607	...	...	1,607	...	...	203	177	1,987*	...	...	...	...
Assam	3,257	3	89	3,171	...	1,709	327	1,445	6,652	...	8	...	...
Central Provinces	18,406	14	4	18,416	95·0	26	5	966	19,413	256	2,264	3,157	58,352
Coorg	169	...	...	169	33·0	53	...	297	519	...	...	...	3,303
North-West Frontier Province.	245	...	...	245	87·0	...	...	37	282	...	60	...	1,382
Ajmer	142	...	...	142	100·0	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	813	813	...	...	...	...
Andamans	778	...	...	778	35·6	...	...	1,410	2,188	...	...	...	2,625
Madras	11,638	173	...	11,811	...	3,355	77	2	15,245	...	...	...	...
Bombay	7,586	429	...	8,015	72·0	819	100	2,201	(a) 11,135	1,618	2,254	143	1,848
Sind	914	208	...	1,122	...	22	...	13	1,157	...	1,079	...	...
TOTAL 1936-37	86,574	1,136	263	87,447	74·9	13,198	955	15,114	116,714	1,903	20,906	6,480	1,57,771
,, 1935-36	85,025	1,305	214	86,117	73·2	9,159	3,693	18,723	117,692	1,513	20,536	5,194	2,12,517
,, 1934-35	82,942	2,093	164	84,871	64·1	7,360	3,185	36,988	132,404	2,798	19,901	2,434	1,61,647
,, 1933-34	82,561	1,873	1,087	83,347	63·04	6,161	6,239	36,461	132,208	1,376	16,209	1,541	2,09,361
,, 1932-33	79,477	3,891	754	82,614	62·3	6,262	6,992	35,842	132,559	1,759	11,421	8,476	1,23,643

* The difference of 2 sq. miles between this statement and statement No. 1 is due to re-calculation of areas not accounted for in working plans which will be done at the time of revision.

STATEMENT VI.

Expenditure on Communications and Buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	(a) 26,475	973	48,553	37,562	11,943	1,25,506
United Provinces	43,083	14,376	96,575	97,811	21,939	2,73,784
Punjab	1,22,045	19,625	26,172	22,511	10,110	2,00,463
Burma	28,855	18,605	81,759	1,02,416	10,880	2,42,515
Federated Shan States	...	...	3,064	2,526	...	5,590
Bihar	8,535	2,724	15,769	23,403	3,094	53,525
Orissa	6,129	589	17,803	13,436	2,620	40,577
Assam	29,455	400	36,358	51,567	15,103	1,32,883
Central Provinces	10,145	28,380	64,689	1,13,550	14,717	2,31,451
Coorg	1,337	971	3,574	4,186	1,973	12,041
North-West Frontier Province	850	3,069	9,034	8,648	2,388	23,989
Ajmer	557	20	292	696	36	1,601
Baluchistan	...	...	819	70	49	938
Andamans	...	...	3,445	...	5,939	9,384
Madras	25,654	51,416	59,141	91,831	4,802	2,32,844
Bombay	28,233	17,087	19,584	78,646	4,453	1,48,003
Sind	2,747	...	3,773	...	1,039	7,559
Total 1936-37	3,34,100	1,58,205	4,90,404	6,48,859	1,11,085	17,42,653
,, 1935-36	1,99,973	86,153	4,55,713	6,60,157	1,09,577	15,01,574
,, 1934-35	1,49,769	53,904	4,40,269	6,42,755	89,541	13,76,238
,, 1933-34	99,915	60,715	4,43,297	6,53,535	98,855	13,56,317
,, 1932-33	1,01,867	1,07,650	4,28,685	6,94,264	1,06,801	14,30,267

(a) Of the amount Rs. 6,750 was recovered from the Central Government.

STATEMENT VII.

Breaches of Forest Rules.

Province.	Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	229	4	703	37	78	822	1,051	506	1,172	29	82	535	1,254	516
Bengal . . B.	203	5	2,973	1,974	1,362	6,314	6,617	6,237	11,011	48	76	6,285	11,087	332
Bengal . . C.	...	30	122	5	37	194	194	...	...	...	...	...	...	194
Bengal . . Total	532	39	3,798	2,016	1,477	7,330	7,862	6,743	12,183	77	158	6,820	12,341	1,042
United Provinces. A.	67	2	33	11	54	100	167	106	363	21	64	127	427	40
United Provinces. B.	730	26	2,246	1,826	1,142	5,240	5,970	4,944	14,312	408	1,119	5,352	15,431	618
United Provinces. C.	...	53	173	22	73	321	321	...	...	...	...	...	...	321
United Provinces. Total	797	81	2,452	1,859	1,269	5,661	6,458	5,050	14,675	429	1,183	5,479	15,858	979
Punjab . . A.	1,464	23	907	747	861	2,538	4,002	1,707	2,486	244	769	1,951	3,255	2,051
Punjab . . B.	538	42	3,671	5,915	3,896	13,524	14,062	12,736	15,585	...	...	12,736	15,585	1,326
Punjab . . C.	...	73	49	19	36	177	177	...	...	...	...	...	...	177
Punjab . . Total	2,002	138	4,627	6,681	4,793	16,239	18,241	14,443	18,071	244	769	14,687	18,840	3,554
Burma . . A.	336	2	785	26	233	1,046	1,382	1,011	1,474	238	503	1,249	1,980	133
Burma . . B.	1,302	2	9,428	339	1,297	11,066	12,368	10,674	13,201	158	183	10,832	13,384	1,536
Burma . . C.	...	9	47	...	9	65	65	...	...	...	...	...	...	65
Burma . . Total	1,638	13	10,260	365	1,539	12,177	13,815	11,685	14,675	396	689	12,081	15,364	1,734
Federated Shan States. A.	5	...	13	...	3	16	21	13	51	3	3	16	54	5
Federated Shan States. B.	12	...	217	1	20	238	250	147	197	89	90	236	287	14
Federated Shan States. C.	...	1	2	...	...	3	3	...	...	...	...	...	...	3
Federated Shan States. Total	17	1	232	1	23	257	274	160	248	92	93	252	341	22
Bihar . . A.	69	12	251	34	112	409	478	320	942	64	166	384	1,108	94
Bihar . . B.	327	16	963	228	255	1,462	1,809	1,569	4,718	12	29	1,581	4,747	228
Bihar . . C.	...	59	...	...	...	59	59	...	...	...	...	...	...	59
Bihar . . Total	396	87	1,234	262	367	1,930	2,346	1,889	5,660	76	195	1,965	5,855	381
Orissa . . A.	53	1	141	22	11	175	228	111	251	40	165	151	416	77
Orissa . . B.	238	8	2,656	520	63	3,247	3,485	3,068	7,743	88	234	3,156	7,977	329
Orissa . . C.	...	144	58	1	...	203	203	...	...	...	...	...	...	203
Orissa . . Total	291	153	2,855	543	74	3,625	3,916	3,179	7,994	128	399	3,307	8,393	609
Assam . . A.	261	...	188	26	302	516	777	484	1,151	34	140	518	1,291	259
Assam . . B.	487	2	842	120	791	1,755	2,242	1,756	4,304	76	233	1,832	4,537	410
Assam . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam . . Total	748	2	1,030	146	1,093	2,271	3,019	2,240	5,455	110	373	2,350	5,828	669
Central Provinces. A.	111	16	153	212	62	443	554	325	824	113	442	438	1,266	116
Central Provinces. B.	4,559	204	11,497	12,565	2,704	26,970	31,529	24,331	62,931	2,425	5,563	26,756	68,494	4,773
Central Provinces. C.	...	236	1,020	98	49	1,403	1,403	...	...	...	...	...	...	1,403
Central Provinces. Total	4,670	456	12,670	12,875	2,815	28,816	33,486	24,656	63,755	2,538	6,005	27,194	69,760	6,292
Coorg . . A.	...	...	1	...	2	3	3	1	3	...	...	1	3	2
Coorg . . B.	...	...	9	19	7	35	35	35	118	...	...	35	118	...
Coorg . . C.	...	...	...	...	1	1	1	...	1	1	1	1	2	...
Coorg . . Total	...	...	10	19	10	39	39	36	122	1	1	37	123	2
North-West Frontier Province. A.	538	7	240	76	78	401	939	187	438	72	194	259	632	680
North-West Frontier Province. B.	766	...	941	1,608	364	2,913	3,679	2,934	4,226	...	...	2,934	4,226	745
North-West Frontier Province. C.	...	9	2	1	...	12	12	...	...	...	...	...	...	12
North-West Frontier Province. Total	1,304	16	1,133	1,685	442	3,326	4,630	3,121	4,664	72	194	3,193	4,858	1,437

STATEMENT VII—*contd.*

Breaches of Forest Rules—*contd.*

Province.		Cases pending from 1932-33.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	51	1	26	123	7	157	208	164	302	4	4	168	306	40
	B.	...	9	820	1,866	41	2,736	2,736	2,736	5,779	...	...	2,733	5,779	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	51	10	846	1,989	48	2,893	2,944	2,900	6,081	4	4	2,904	6,085	40
Baluchistan	A.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	B.	5	1	53	338	10	402	407	402	498	2	5	404	503	3
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	5	1	53	338	10	402	407	402	498	2	5	404	503	3
Andamans	A.	...	...	14	...	2	16	16	15	15	1	2	16	17	...
	B.	...	...	29	...	2	31	31	30	30	1	1	31	31	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	43	...	4	47	47	45	45	2	3	47	48	...
Madras	A.	3,709	57	7,893	1,487	430	9,867	13,576	5,495	12,019	5,745	13,614	11,230	25,633	2,346
	B.	3,086	31	11,473	2,764	1,476	15,744	18,830	11,718	21,075	2,268	4,225	13,986	25,300	4,844
	C.	...	880	414	29	73	1,396	1,396	...	...	...	...	...	...	1,396
	Total	6,795	968	19,780	4,280	1,979	27,007	33,802	17,203	33,094	8,013	17,839	25,216	50,933	8,586
Bombay	A.	168	12	258	82	64	416	584	272	640	22	49	294	689	290
	B.	1,986	174	10,413	5,553	2,611	18,751	20,737	17,493	44,581	...	...	17,493	44,581	3,244
	C.	70	1,271	1,717	29	45	3,062	3,132	...	...	...	...	...	...	3,132
	Total	2,224	1,457	12,388	5,664	2,720	22,229	24,453	17,765	45,221	22	49	17,787	45,270	6,666
Sind	A.	58	2	86	34	67	189	247	166	301	5	9	171	310	76
	B.	252	9	2,185	2,910	389	5,493	5,745	5,320	6,727	...	...	5,320	6,727	425
	C.	...	494	190	3	1	688	688	...	...	...	...	...	...	688
	Total	310	505	2,461	2,947	457	6,370	6,680	5,486	7,028	5	9	5,491	7,037	1,189
Grand Total	A.	7,119	139	11,692	2,917	2,366	17,114	24,233	10,873	22,432	6,635	16,209	17,508	38,641	6,725
	B.	14,591	529	60,436	38,546	16,430	115,941	130,532	106,130	217,036	5,575	11,758	111,705	228,794	18,827
	C.	70	3,259	3,794	207	324	7,584	7,654	...	1	1	1	1	2	7,653
Total 1936-37		21,780	3,927	75,922	41,670	19,120	140,639	162,419	117,003	239,469	12,211	27,968	129,214	267,437	33,205
„ 1935-36		20,480	5,018	76,420	39,563	19,704	140,593	161,079	117,233	238,817	12,278	28,166	130,048	267,672	21,605
„ 1934-35		19,467	5,179	72,882	38,039	17,828	133,928	153,395	111,789	231,772	11,627	24,532	123,416	256,304	18,553
„ 1933-34		20,885	4,576	71,727	38,729	16,884	131,916	150,922	111,477	233,308	10,139	23,054	121,616	256,362	20,191
„ 1932-33		18,177	5,126	70,315	36,577	16,835	128,853	147,030	104,473	211,227	10,483	24,202	114,956	235,429	18,406

STATEMENT VIII.

Area protected from Fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1935-36.	1936-37.	
1	2	3	4	5	6	7
Bengal	1,863	1,756	28·9	1·1	·1	
United Provinces	4,465	4,435	85·0	6·0	0·7	
Punjab	920	913	78·0	1·6	0·7	
Burma	139	133	0·4	5·4	4·2	
Federated Shan States	2	...	0·1	8·4	20·8	
Bihar	1,128	978	98·6	13·7	13·2	
Orissa	782	714	56·0	...	9·0	
Assam	28	28	0·4	2·0	0·4	
Central Provinces	16,086	15,622	82·9	4·3	2·9	
Coorg	230	230	44·0	2·0	0·2	
North-West Frontier Province	148	147	55·7	3·5	0·1	
Ajmer	142	140	99·4	1·2	1·2	
Madras	4,603	4,443	30·7	6·4	3·5	
Bombay	7,430	7,094	69·0	6·1	4·5	
Sind	895	880	77·0	2·0	2·0	
Total 1936-37	38,861	37,513	36·8	4·7	3·5	
„ 1935-36	37,742	35,510	38·5	4·1	4·7	
„ 1934-35	37,872	35,693	42·1	4·7	4·9	
„ 1933-34	48,513	46,983	42·9	4·9	4·6	
„ 1932-33	46,843	44,879	42·3	4·7	4·2	

STATEMENT IX.

Causes of Forest Fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.
Bengal	2	...	3	...	17	1	...	...	9	1	31	2
United Provinces	29	6	14	2	40	1	2	...	52	21	137	30
Punjab	5	...	22	2	76	5	20	2	7	...	130	9
Burma	4	3	8	1	12	...	2	...	35	2	61	6
Federated Shan States	...	...	...	...	1	...	...	...	...	...	1	...
Bihar	3	...	30	29	22	42	25	11	145	130	225	212
Orissa	4	3	33	47	43	46	9	9	76	73	165	178
Assam	3	...	...	...	27	...	23	257	1	...	54	257
Central Provinces	36	18	137	102	202	77	49	27	553	240	977	464
Coorg	...	...	...	...	...	...	7	1	...	...	7	1
North-West Frontier Province	...	...	2	...	...	...	9	1	4	...	15	1
Ajmer	...	...	...	...	6	2	...	...	...	...	6	2
Baluchistan	...	...	...	...	...	...	1	...	...	...	1	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	46	6	133	62	309	116	385	237	659	192	1,592	613
Bombay	6	1	112	59	515	102	173	37	662	165	1,468	364
Sind	...	...	1	...	120	2	4	...	380	13	505	15
TOTAL 1936-37	138	37	495	304	1,450	394	709	582	2,583	837	5,375	2,154
„ 1935-36	261	203	689	1,047	1,969	4,338	1,089	1,982	2,705	2,311	6,713	9,881
„ 1934-35	207	26	660	412	2,148	803	583	424	3,250	1,570	6,848	3,236
„ 1933-34	245	339	533	944	2,029	683	390	309	2,733	4,074	5,930	6,349
„ 1932-33	186	393	550	424	1,600	2,713	721	766	2,563	4,974	5,560	9,270

STATEMENT X.

Area closed and open to Grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area as shown in Statement No. I. (Col. 6).
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,230	...	4,447	...	63	63	10,803
United Provinces	1,986	...	2,224	105	867	69	5,251
Punjab	443	27	3,772	133	377	90	4,842
Burma	23,826	...	91	220	2,691	4,511	123,569
Federated Shan States	2,380	...	219	39	441	84	19,036
Bihar	215	...	249	45	1,266	8	1,786
Orissa	527	...	5	...	1,102	350	1,985
Assam	4,643	...	1,997	...	6	6	21,393
Central Provinces	1,921	222	3,965	...	13,305	205	19,413
Coorg	80	439	...	...	...	439	839
North-West Frontier Province	95	...	24	...	161	2	282
Ajmer	13	125	...	...	3	125	142
Baluchistan	147	...	492	170	4	...	813
Andamans	52	...	...	...	...	...	2,189
Madras	1,652	227	12,776	...	575	...	15,245
Bombay	1,272	362	2,674	26	8,645	17	12,998
Sind	49	9	177	63	859	...	1,157
TOTAL 1936-37	45,531	1,411	33,112	801	30,365	5,969	2,41,743
1935-36	46,026	1,405	34,423	840	29,882	5,980	2,65,693
1934-35	46,544	1,453	32,505	629	46,040	6,017	2,81,518
1933-34	47,344	1,393	43,826	382	36,915	9,232	2,82,644
1932-33	47,552	1,441	42,055	475	34,430	11,494	2,61,219

STATEMENT XI.

Protection from Cattle.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	3,361	47,079	136	...	35	70	2,170	...	...	6
United Provinces	65,784	158,635	116,600	487	2,162	8,282	32,258	16,201	...	99
Punjab	10,399	11,972	416,249	50,917	255	1,285	13,962	39,524	...	258
Burma*	3,792	47,241	1,204	24	26	...	...	...	...	...
Federated Shan States*	1,490	246	...	...	478	...	...	...	...	...
Bihar	787	1,249	...	...	...	1,115	5,371	...	...	8
Orissa	8,068	55,121	1,481	...	...	5,408	11,779	3,375	...	...
Assam	9,219	6,797	...	...	87	797	1,865	...	...	...
Central Provinces	200,227	464,801	246,682	36	3,976	97,918	1,701,631	145	...	5
Coorg	367	2,942	...	...	...	...	...	...	...	...
North-West Frontier Province	1,429	2,355	...	...	74	...	...	...	...	...
Ajmer	1,195	9,013	...	...	...	4,014	18,270	...	...	...
Baluchistan	106	1,197	42,287	1,614	2,499	...	...	...	1,000	...
Madras	77,467	793,919	436,676	...	35	11,546	108,636	40,644	...	1,659
Bombay	10,964	45,071	231,235	...	6,669	215,272	1,000,127	231,719	...	5,476
Sind	25,453	35,229	59,402	968	1,095	...	...	...	...	360
Total 1936-37	420,108	1,682,867	1,551,952	54,046	17,391	345,707	2,896,069	331,608	1,000	7,871
„ 1935-36	417,795	1,752,911	1,351,654	20,354	20,250	442,380	2,830,517	505,130	4,069	5,772
„ 1934-35	402,725	1,740,100	1,387,178	37,449	15,502	352,382	2,891,803	454,632	...	21,186
„ 1933-34	404,091	1,716,836	1,432,672	17,282	13,478	355,133	2,867,964	559,182	...	4,901
„ 1932-33	387,649	1,624,324	1,287,707	25,090	13,756	343,980	2,845,991	894,731	...	5,118

* In case of Burma and the Federated Shan States the figures indicate elephants and not camels.

MENT XI.

from Cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,037	661	...	...	13	54,568
41,646	466,465	42,331	...	1,023	7,611	43,672	62,038	...	159	1,065,453
233,052	755,384	819,374	1,687	35,417	4,700	25,294	13	15	382	2,420,139
73,624	217,698	...	114	258	13,288	5,509	...	6,498	...	369,276
2,026	4,924	...	...	...	257	...	...	192	...	9,613
37,502	196,587	93,480	...	12	88	121	179	...	...	336,449
4,660	105,005	9,923	...	12	1,894	22,149	538	...	...	229,413
889	3,769	1,174	...	71	736	6,706	866	...	96	33,072
...	375	...	...	...	1,767	253,772	3,361	...	268	2,974,964
29	515	...	...	...	4,317	11,523	...	...	...	19,693
5,866	6,669	...	...	...	200	1,063	2,000	50	50	19,256
573	2,134	...	...	...	267	568	...	...	...	36,034
...	4,075	65,032	2,001	208	...	2,080	4,395	...	880	127,374
1,817	7,861	4,901	...	162	6,112	58,051	166	...	...	1,549,682
364	1,178	...	...	...	98,897	480,462	867	...	1,291	2,329,582
2,027	5,764	...	...	55	2,018	4,626	3,703	2,570	2,417	145,687
403,605	1,778,403	1,036,165	3,802	37,218	143,179	916,257	78,126	9,325	5,556	11,720,255
454,196	1,863,251	1,239,084	2,179	42,116	148,647	923,747	93,332	9,550	4,455	12,131,389
453,046	1,770,077	1,242,891	2,754	42,267	149,264	882,525	84,551	11,449	2,850	11,944,631
482,793	1,789,358	1,224,087	2,400	42,189	155,158	915,383	79,142	13,958	3,142	12,079,149
439,621	1,808,711	1,078,097	2,187	43,010	147,077	920,435	109,428	2,092	13,660	11,992,664

STATEMENT XII.

Progress in concentrated Regeneration and Afforestation.

Province.	Area regenerated during the year.		Area afforested during the year.	Total area.	Cost of regeneration and afforestation during the year, including tending.
	Mainly natural.	Mainly artificial.			
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Rs.
Bengal	...	2,260	...	2,260	56,408
United Provinces	147,840	6,400	3,440	158,080	1,17,669
Punjab	3,112	1,869	1,433	6,414	3,48,478
Burma	2,885	1,994	...	4,879	86,124
Federated Shan States	36	25	...	61	271
Bihar	1,262	205	27	1,494	5,286
Orissa	9,504	280	130	9,914	17,146
Assam	776	2,246	...	3,022	35,593
Central Provinces	69,702	651	...	70,353	57,492
Coorg	884	299	274	1,457	16,953
North-West Frontier Province	25	215	...	240	7,976
Ajmer	2,099	16	...	2,115	22
Baluchistan	...	...	...	...	...
Andamans	987	...	...	987	8,337
Madras	30,395	4,055	150	34,600	58,675
Bombay	62,893	2,207	...	65,100	53,645
Sind	6,623	23,570	7,489	37,682	1,691
Total 1936-37	339,023	46,292	13,343	398,658	8,71,766
„ 1935-36	391,308	52,491	13,737	457,536	8,51,491
„ 1934-35	171,631	40,613	8,036	220,281	8,50,490
„ 1933-34	139,007	42,753	5,649	187,411	8,88,547
„ 1932-33	138,868	21,761	2,525	163,154	9,00,578

STATEMENT XIII.

Outturn of Forest Produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	21,673,000	3,43,422	1,678,000	1,915	554,000	73,503	23,905,000	4,18,840	3,350	53	1,688	2	161	21	2,213	39
United Provinces	31,266,000	12,87,000	30,000	2,000	93,000	3,000	31,389,000	12,92,000	6,019	248	6,000	400	1,800	60	5,078	246
Punjab . .	7,953,000	3,49,952	18,026,000	10,55,546	3,833,000	3,00,317	29,817,000	17,05,815	7	298	6	329	8	653	6	352
Burma . .	57,599,950	4,45,057	...	...	5,411,750	3,07,411	111,717,800	7,52,468	1,838	14	...	...	587	3	904	6
Federated Shan States.	2,848,150	14,312	...	...	2,763,150	1,32,134	5,611,300	1,46,446	900	5	...	...	174	8	295	7
Bihar . . .	2,149,000	68,649	3,250,000	1,15,711	...	...	5,399,000	1,84,360	1,878	60	5,086	181	...	...	3,028	103
Orissa . .	4,262,000	39,077	1,227,000	1,51,693	...	...	5,489,000	1,90,770	3	28	2	260	...	...	5	288
Assam . .	5,666,000	1,46,697	...	...	8,456,000	3,95,453	14,122,000	5,39,150	858	22	...	...	572	27	600	25
Central Provinces	47,400,000	20,21,477	...	...	...	...	47,400,000	20,21,477	2,443	104	...	...	...	...	2,443	104
Coorg . .	429,663	1,87,866	...	...	137,088	1,39,767	566,751	3,27,633	828	363	...	...	428	437	675	390
North-West Frontier Province.	3,450,000	51,877	...	...	...	958	3,450,000	52,835	13	195	...	...	...	60	12	187
Ajmer . .	613,177	60,373	...	...	...	...	613,177	60,373	4,306	424	...	...	...	...	4,306	424
Baluchistan .	220,434	5,177	...	...	833,565	448	1,053,999	5,625	646	15	...	...	1,025	1	1,673	16
Andamans . .	1,932,000	...	...	...	1,439,000	8,151	3,371,000	8,151	3,715	...	...	...	670	3	2,693	2
Madras . .	17,247,000	2,09,887	619,000	1,085	...	...	17,866,000	2,10,972	1,142	13	3,064	9	...	...	1,172	13
Bombay . .	(a) 47,900,000	27,04,340	1,102,000	2,42,100	812,000	...	49,814,000	29,46,440	3,920	221	1,413	310	...	...	3,832	227
Sind . . .	24,021,000	1,24,113	...	...	...	...	24,021,000	1,24,113	21	107	...	...	...	...	21	107
Total 1936-37 .	296,635,374	80,56,276	25,932,000	15,70,050	73,038,653	13,61,142	375,606,027	1,09,87,468	2,619	78	2,593	157	542	6	1,181	41
,, 1935-36 .	280,872,929	83,94,038	26,701,384	14,87,393	70,621,521	11,58,247	378,195,834	1,10,39,678	2,412	77	3,579	178	549	7	1,415	38
,, 1934-35 .	255,004,607	74,47,077	24,727,389	12,84,986	121,410,602	12,64,667	401,142,598	99,96,730	2,400	70	3,564	185	721	8	1,425	36
,, 1933-34 .	227,472,343	88,43,000	24,054,642	13,40,334	65,720,096	15,14,460	317,257,081	1,12,07,444	2,144	79	3,436	193	388	9	1,122	40
,, 1932-33 .	226,566,456	87,77,479	24,216,557	13,01,182	62,924,116	9,89,048	13,707,129	1,10,67,710	2,134	83	3,358	180	426	7	1,201	42

(a) Excludes sandalwood 941 khandies and 26 lbs. and rejected stuff as under :—
17 Billets.
1,583 Trees.
280 Cartloads of Bachi and Kodli Chalar.
11,761 Branches and pieces.
40 Stumps.
12,747 Roots.

STATEMENT XIV.

Forest Produce removed by different agencies.

Part I.—Timber and Fuel.

Provinces.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	391,000	8,838,000	11,000	...	9,240,000	545,000	13,610,000	510,000	...	14,665,000
United Provinces	197,000	7,077,000	33,000	757,000	8,064,000	75,000	9,221,000	163,000	13,866,000	23,325,000
Punjab	657,000	2,807,000	27,000	657,000	4,148,000	2,005,000	2,343,000	237,000	21,084,000	25,669,000
Burma	1,963,000	42,695,000	216,000	696,000	45,570,000	309,000	57,654,000	2,933,000	5,252,000	66,148,000
Federated Shan States	42,000	4,359,000	19,000	27,000	4,447,000	...	961,000	...	203,000	1,164,000
Bihar	67,000	1,285,000	1,000	88,000	1,441,000	59,000	1,117,000	...	2,782,000	3,958,000
Orissa	285,000	1,272,000	48,000	59,000	1,664,000	86,000	2,876,000	29,000	843,000	3,834,000
Assam	57,000	6,463,000	323,000	...	6,873,000	39,000	4,884,000	2,207,000	69,000	7,149,000
Central Provinces	5,892,000	5,118,000	304,000	...	11,314,000	10,255,000	24,676,000	1,037,000	118,000	36,086,000
Coorg	130,347	259,038	755	...	393,140	58,355	115,275	509	...	174,139
North-West Frontier Province	47,000	1,688,000	8,000	...	1,746,000	57,000	63,000	1,269,000	315,000	1,704,000
Ajmer	...	1,789	186	25	2,000	347,688	263,488	...	...	611,176
Baluchistan	1,451	772	710	...	2,933	32,981	1,018,795	240	390	1,052,406
Andamans	1,842,000	10,000	44,000	17,000	1,913,000	800,000	304,000	312,000	42,000	1,052,406
Madras	1,563,000	1,597,000	182,000	10,000	3,342,000	1,262,000	15,587,000	133,000	13,000	16,994,000
Bombay	872,000	5,237,000	72,000	129,000	6,310,000	941,000	17,294,000	3,009	25,266,000	43,504,000
Sind	4,000	134,000	31,000	...	172,000	70,000	22,923,000	3,000	853,000	23,849,000
Total 1936-37	14,938,798	88,838,599	1,323,651	2,448,025	106,642,073	16,942,024	174,860,558	8,835,749	70,706,390	271,344,721
,, 1935-36	14,080,358	90,827,331	1,826,670	2,700,698	109,435,057	17,144,832	172,914,129	8,857,166	73,319,000	272,735,127
,, 1934-35	12,529,376	79,733,880	1,883,935	3,050,454	97,197,645	15,270,540	216,392,691	10,898,120	64,194,000	306,755,360
,, 1933-34	13,747,916	69,961,935	1,729,403	2,858,730	87,295,994	13,133,912	152,955,135	10,195,040	54,677,000	229,961,087
,, 1932-33	15,195,912	66,815,373	1,607,193	3,109,100	86,727,578	13,788,138	148,747,053	9,251,080	55,193,280	226,979,551

STATEMENT XIV—*contd.*

Forest Produce removed by different agencies—*contd.*

Part II.—Value of Minor Forest Produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor Produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	8,217	1,40,972	657	...	1,49,846	...	38,499	23,969	...	62,468	7,655	1,97,074	1,797	...	2,06,526
United Provinces	413	72,679	315	7,112	80,518	1,133	1,94,610	45,886	3,21,720	5,63,549	3,34,816	2,54,428	1,910	56,769	6,47,923
Punjab	19,976	1,515	4	...	21,495	...	1,46,877	52,145	12,84,257	14,83,279	1,71,436	15,409	89	14,117	2,01,041
Burma	238	2,75,738	20,061	11,084	3,07,171	...	14,041	43,027	1,21,141	1,78,209	13,471	2,30,957	907	21,753	2,67,088
Federated Shan States.	...	4,009	188	349	4,546	...	1,783	5,697	2,892	10,372	398	1,30,322	10	858	1,31,528
Bihar	684	28,260	...	2,616	31,540	...	2,263	34	1,06,993	1,09,290	2,058	35,497	88	5,887	43,530
Orissa	1,606	5,249	805	2,026	10,286	...	19,338	...	1,27,302	1,46,640	418	33,061	34	259	33,772
Assam	51	66,605	3,806	626	71,088	...	36,744	4,302	2,721	43,767	52,501	2,68,689	1,02,588	517	4,24,295
Central Provinces	35,005	2,30,934	8,419	...	2,74,358	535	12,69,120	1,79,414	375	14,49,450	50,005	2,27,299	17,125	2,400	2,97,669
Coorg	855	503	101	...	1,549	...	900	4,500	140	5,540	204	42,511	3,151	...	45,866
North-West Frontier Province.	...	...	...	...	...	...	5,516	1,412	6,158	13,086	38,983	700	...	...	39,749
Ajmer	...	612	...	...	612	938	12,402	2,466	40,789	56,685	506	2,569	...	...	3,075
Baluchistan	...	...	...	...	...	...	7,549	1,280	53,800	62,579	1,088	4,088	120	24	5,315
Andamans	...	17	1,300	274	1,591	...	...	...	...	...	...	1,853	4,288	419	6,560
Madras	25,699	3,48,044	688	1	3,74,632	151	6,08,181	13,835	7,338	6,29,455	27,872	5,36,035	2,635	878	5,68,020
Bombay	38	67,674	1,078	76,149	1,44,939	...	6,77,541	5,489	1,52,764	8,35,794	1,144	1,02,088	9,390	4,78,213	5,90,830
Sind	...	...	...	...	...	...	79,315	20,264	7,172	1,06,751	603	16,688	71	...	17,362
TOTAL 1936-37	92,961	12,42,951	37,422	1,00,837	14,74,171	2,757	31,14,925	4,08,870	22,35,362	57,56,914	7,03,983	20,99,869	1,44,203	5,82 094	3 ,30,149
,, 1935-36	57,201	13,26,657	36,028	86,654	15,06,540	2,514	31,72,300	3,92,066	37,03,368	72,70,248	8,30,275	20,19,164	1,53,556	8,12,276	36,15,281
,, 1934-35	51,606	13,67,943	40,812	98,198	15,58,559	6,787	32,08,248	4,28,397	28,17,527	64,55,959	9,28,302	20,58,083	1,64,890	1,02,542	33,13,817
,, 1933-34	4,908	12,58,414	43,707	77,150	14,28,358	3,420	30,99,119	4,63,088	28,82,377	64,48,004	8,60,993	21,66,943	1,56,391	1,46,765	33,31,082
,, 1932-33	39,772	14,88,613	26,846	74,444	16,29,675	6,664	30,61,884	4,15,089	28,79,152	63,62,809	7,32,502	20,40,855	1,45,956	1,55,(13	30 5,226

STATEMENT XV.

Exports of Forest Produce.

Articles of forest produce.	Quantity in tons of 20 cwts. (in the case of teak and other timbers, cubic tons).		Valuation at port of shipment in 1935-36.	
	Average of 5 years 1931-32 to 1935-36.	In 1936-37.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	8,269	12,920	1,04,03,202	805
Lac — Button	998	1,661	10,82,458	652
Lac — Shell	18,043	24,847	1,52,58,814	614
Lac — Stick, seed and other kinds	7,825	15,190	70,79,996	466
Cutch and gambier	1,680	1,928	5,64,840	293
Myrobalans	64,074	63,044	37,09,487	59
Cardamoms	480	451	18,24,607	4,046
Sandal	746	845	9,86,958	1,168
Teak	33,510	69,482	1,45,95,054	210
Other kinds of wood and timber *	...	...	19,97,145	...
TOTAL 1936-37	...	...	5,75,02,561	7,313
,, 1935-36	...	...	4,51,24,401	...
,, 1934-35	...	...	5,72,85,198	...
,, 1933-34	...	...	4,40,75,859	...
,, 1932-33	...	...	2,60,72,981	...

* Quantity not recorded.

STATEMENT XV (*a*).

Imports of Timber into British India.

Year (calendar).	Imports of timber into British India.		Imports of sleepers of wood for railways into British India.	
	Cubic tons.	Rs.	Tons.	Rs.
1933	18,475	15,74,950	6	612
1934	19,440	15,15,918	...	...
1935	14,574	9,52,030	...	...
1936	29,107	19,32,080	...	24
1937*	157,453	1,83,05,182	641	80,257

* From 1st April, 1937, these figures include imports into British India from Burma and exclude direct importation into Burma.

STATEMENT XVI.

Estimated value of Forest Produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	2,252	10,594	657	31,153	1,951	46,607
United Provinces	68,000	1,20,000	7,000	3,68,000	59,000	6,22,000
Punjab	61,345	10,42,695	4	13,36,402	14,206	24,54,652
Burma	47,057	39,714	20,061	43,027	907	1,50,766
Federated Shan States	4,174	...	188	5,897	10	10,269
Bihar	15,235	34,692	2,616	1,08,025	6,205	1,66,773
Orissa	27,343	12,933	7,200	1,81,272	1,004	2,29,752
Assam	31,558	17,451	4,432	11,014	1,01,325	1,65,810
Central Provinces	23,825	39,108	9,417	13,43,998	17,571	14,33,919
Coorg	755	...	101	4,640	3,151	8,647
North-West Frontier Province	3,764	43,961	...	7,470	100	55,295
Ajmer	119	...	...	39,955	...	40,074
Baluchistan	1,230	1,621	...	55,030	144	58,025
Andamans	5,771	3,410	1,574	...	4,707	15,462
Madras	47,139	6,666	689	42,993	3,513	1,01,000
Bombay	28,550	341	1,078	5,489	9,390	44,848
Sind	1,899	12,441	...	27,436	71	41,847
TOTAL 1936-37	3,70,116	13,85,657	55,017	36,11,801	2,23,155	56,45,746
„ 1935-36	4,09,370	13,54,893	49,350	35,76,409	2,43,944	56,33,966
„ 1934-35	4,83,391	17,30,294	1,24,173	29,33,326	17,45,897	70,17,081
„ 1933-34	3,97,257	14,40,019	1,06,857	30,05,475	17,11,195	66,60,803
„ 1932-33	4,48,137	15,41,716	89,593	30,05,718	16,96,958	67,82,122

STATEMENT XVII.

Details of Revenue and Expenditure for the financial year 1936-37.

(Excluding Burma and Federated Shan States.)

				Rs.	Percentage of each item to total.
Gross Receipts			(a) Wood	1,97,25,626	69·6
			(b) Minor forest produce	27,59,699	9·7
			(c) Forest stamps and commutation fees for forest produce	83,647	0·3
			(d) Grazing	30,91,791	10·9
			(e) Revenue from forests not managed by Government	6,49,187	2·3
			(f) Miscellaneous	20,50,776	7·2
			Total Revenue	2,83,60,726	100·0
Expenditure	A Recurring	(a) Administration.	(i) Superior Staff	1,31,59,893	64·1
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	37,45,691	18·2
			(2) Roads and Buildings	11,70,842	5·7
			(3) Fire protection	2,21,380	1·1
			(4) Cultural operations	7,45,210	3·6
			(5) Live-stock, stores and plant	3,74,034	1·8
			(6) Working-Plans	38,587	0·2
			(7) Rent for leased forests	94,586	0·5
			(8) Miscellaneous	7,52,530	3·6
		(c) Expenditure on realization of revenue from forests not managed by Government.		1,17,589	0·6
		*(d) Forest Science and Education (including all "A" and "B" charges of Forest College and Research Institute).		1,22,670	0·6
		Total		2,05,43,282	100·0
	B Extraordinary	(e) Forest Settlement		128	...
		(f) Forest Survey		971	0·1
		(g) Forest Demarcation		22,687	1·5
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		5,87,201	38·8
		(i) Share of Capital charges transferred to 8-A		9,02,454	59·6
		Total		15,13,441	100·0
		GRAND TOTAL OF EXPENDITURE		2,20,56,723	...
		Net Revenue		63,04,003	...

(Excluding Burma and Federated Shan States.)

STATEMENT XVII(*a*).

Details of Revenue and Expenditure for the financial year 1936-37

(Burma and Federated Shan States only.)

					Rs.	Percentage of each item to total.
Gross Receipts				(*a*) Wood	1,41,09,922	91·3
				(*b*) Minor forest produce	6,41,076	4·2
				(*c*) Grazing	25,645	0·2
				(*d*) Revenue from forests not managed by Government	1,93,456	1·2
				(*e*) Miscellaneous	4,76,337	3·1
				Total Revenue	1,54,46,436	100·0
Expenditure	A Recurring	(*a*) Administration.		(*i*) Superior Staff	46,53,887	78·5
				(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		
				(*iii*) Office Establishment (including Contingencies).		
		(*b*) Working		(1) Extraction	5,43,790	9·2
				(2) Roads and Buildings	2,00,645	3·3
				(3) Fire protection	23,885	0·4
				(4) Live-stock, stores and plant	1,88,397	3·2
				(5) Working-Plans, revision and maintenance.	1,084	...
				(6) Maintenance and boundaries	20,786	0·4
				(7) Regeneration and improvement	61,153	1·0
				(8) Silvicultural Research	3,444	0·1
				(9) Utilisation Research	...	...
				(10) Other Works	27,774	0·5
				(11) Miscellaneous	2,01,824	3·4
				(12) Losses of Government commercial undertakings.	...	...
				Total	59,26,669	100·0
	B Extraordinary			(*c*) Forest Settlement	141	...
				(*d*) Forest Survey	1,993	0·4
				(*e*) Forest Demarcation	389	0·1
				(*f*) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.	4,14,139	88·3
				(*g*) Share of capital charges transferred to 8-A	52,558	11·2
				Total	4,69,220	100·0
				GRAND TOTAL OF EXPENDITURE	63,95,889	...
				Net Revenue	90,50,547	...

(Burma and Federated Shan States only.)

STATE

Summary of Revenue and Expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (includes Federated Shan States and backward tracts).	Bihar.	Orissa.	Assam.
1	2	3	4	5	6	7	8	9
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.								
I.—Timber and other produce removed from the forests by Government agency.	...	2,47,166	3,66,948	11,66,561	27,76,352	4,542	23,721	51,372
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	15,27,369	37,25,059	7,74,205	1,20,00,291	5,29,317	3,79,428	13,95,606
III.—Drift and waif wood and confiscated forest produce.	...	6,073	1,210	24,246	1,71,053	81	417	17,025
IV.—Revenue from forests not managed by Government.	...	...	18,285	2,007	1,93,456	...	...	60,848
V.—Miscellaneous	...	1,27,611	3,27,181	2,82,961	3,17,569	31,632	25,185	1,81,003
Deduct—Refunds	...	—72,462	—3,381	—2,671	—12,285	—825	—451	—25,714
TOTAL REVENUE .	...	18,35,757	44,35,302	22,47,309	1,54,46,436	5,64,747	4,28,300	16,85,140
EXPENDITURE.								
A.—CONSERVANCY, MAINTENANCE AND REGENERATION.								
I.—Timber and other produce removed from the forests by Government Agency.	...	89,882	2,27,614	4,17,855	2,54,530	6,107	6,180	2,037
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,56,509	1,31,616	2,585	2,61,321	21,037	16,463	30,835
III.—Drift and waif wood and confiscated forest produce.	...	873	251	7,946	27,939	10	7	917
IV.—Revenue from forests not managed by Government.	...	...	6,540	...	9,786	...	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	1,670	6,741	1,10,778	...	7,007	—	30,660
VI.—Live-stock, stores, tools and plant . .	...	62,602	55,357	29,073	1,88,397	2,663	12,793	22,261
VII.—Communications and buildings . .	...	1,06,113	2,73,784	64,935	2,00,645	43,668	42,819	87,925
VIII.—Demarcation, improvements and extension of forests.	...	1,01,060	2,73,456	2,82,926	1,38,126	30,494	26,450	61,183
IX.—Miscellaneous	...	14,504	21,427	—4,407	1,90,418	10,849	8,252	41,376
Work Advances	...	—641	...	...	—1,620	...	...	—449
Total A.—Conservancy, Maintenance and Regeneration.	...	5,32,572	9,96,786	9,11,691	12,69,542	1,21,835	1,12,964	2,76,745
B.—ESTABLISHMENTS.								
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	54,037	8,76,510	17,65,255	10,75,498	46,53,887	3,40,672	3,19,944	7,97,682
C.—Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	61,731	...	1,87,264	4,34,378	—142	—30	53,484
D.—Total share of Capital charges transferred to 8-A (*i.e.*, Capital charges met from Revenue).	...	27,154	...	4,03,106	34,847	30,833	17,031	43,815
E.—Total Capital Outlay under 52-A (*i.e.*, not transferred to 8-A).	...	...	...	...	...	...	—17,031	20,262
GRAND TOTAL OF EXPENDITURE . (Excluding expenditure under E.)	54,037	14,97,967	27,62,041	25,77,559	63,92,649	4,93,198	4,32,878	1,71,726
SURPLUS . (Excluding expenditure under E.)	...	3,37,790	16,73,261	...	90,53,787	71,549	...	5,13,414
DEFICIT .	—54,037	...	...	—3,30,250	...	...	—4,578	...
Proportion of surplus to gross revenue . .	...	18	37·7	...	59	1 : 8	...	1 : 3·3
Net revenue per square mile of forest area under control of Forest Department.	...	31	844·6	...	63	40·06	...	23·9

MENT XVIII.

Forest Department in India for the financial year 1936-37.

Central Provinces and Berar.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Sind.	Total.
10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
16,87,421	2,49,318	79,701	42,791	5,812	13,04,536	...	20,32,866	11,37,748	5,891	1,11,87,746
27,00,267	90,801	2,61,200	34,514	17,408	3,359	...	17,76,497	33,65,920	6,53,845	2,92,35,086
1,983	...	1,762	...	...	...	...	10,662	1,435	604	2,36,551
4,161	...	64,581	...	12,825	...	...	4,84,316	11,189	...	8,51,668
3,71,290	9,519	28,809	10,723	2,698	8,576	36,684	3,57,394	2,71,263	69,599	24,59,697
—1,557	—423	—427	...	—14	...	...	—25,993	—15,870	—1,656	—1,63,720
47,63,565	3,49,215	4,35,626	88,028	38,729	13,16,471	36,684	46,35,742	47,71,635	7,28,283	4,38,07,019
6,75,660	39,383	40,057	26,291	1,549	7,01,505	...	5,03,400	4,15,584	3,296	34,10,930
1,50,628	1,649	1,626	463	...	860	...	1,61,206	72,710	570	10,10,168
81	...	1,488	...	...	...	...	...	...	...	39,512
...	...	271	...	...	...	...	...	...	...	16,597
4	...	21,800	10,622	...	...	...	...	16,352	...	2,05,634
27,606	11,798	3,363	227	228	33,970	2,849	98,089	4,666	...	5,55,942
2,03,952	9,327	23,989	10,130	938	3,798	385	1,72,570	1,01,654	...	13,46,632
1,73,691	31,161	12,689	1,980	1,271	24,286	...	1,20,441	87,154	16,034	13,91,402
1,23,466	2,987	2,312	364	462	468	60,900	31,519	32,137	3,170	5,40,204
—261	...	—200	...	...	—1,493	...	—10	...	...	—4,676
13,54,827	96,305	1,07,395	50,077	4,448	7,63,392	64,134	10,96,305	7,80,257	23,070	85,12,345
20,38,127	1,11,223	1,99,103	33,800	31,673	1,81,460	5,55,139	26,51,717	19,34,319	3,12,112	1,79,32,158
1,81,127	11,859	—89	...	...	...	...	—1,127	93,124	...	16,21,574
65,289	3,868	18,877	...	...	...	3,338	3,02,216	49,405	...	9,99,779
27,133	...	...	...	...	...	...	...	...	...	—17 031
36,39,370	2,23,255	3,25,286	83,877	36,121	9,44,852	6,22,611	40,49,111	28,07,105	3,35,182	2,84,48,825
11,24,195	1,25,960	1,10,340	4,151	2,608	3,71,619	...	5,86,631	19,04,580	3,93,101	1,63,32,986
...	...	...	...	...	...	—5,85,927	...	...	...	9,74,792
1 : 4·2	1 : 3	·25	·24	...	28·23	...	19	41	54	...
58	...	391	148	...	1,697	...	38	183	341	...

STATE

Revenue of the Forest Department throughout India for the 36 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . . .	2,175	31,717	25,429	10,866	5,147	9,688	6,090	2,463	3,484	3,659	7,455	3,768
Bengal* . . .	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	3,339	12,92,237	12,56,247	10,65,523	11,67,472
United Provinces .	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	20,80,446	23,97,318
Punjab . . .	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443
Burma . . .	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam† . . .	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677
Central Provinces and Berar.	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459
Coorg . . .	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991
Ajmer . . .	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297
Baluchistan . .	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555
Andamans . .	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796
Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557
Forest Surveys (Imperial).	...	17	139	206	668	800	420	327	473	3,034	431	...
Madras . . .	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216
Bombay . . .	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558
GRAND TOTAL .	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950

Province.	1917-18.	1918-19	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial . .	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	...	...
Bengal . .	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	28,11,226	22,61,515	24,75,529	28,56,420	31,23,841
United Provinces	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987	64,26,281	58,71,303
Punjab . .	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	37,27,312	41,12,076	39,07,731
Burma . .	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399 (a)	1,96,77,824 (a)	2,23,46,518 (a)	2,35,94,060
Bihar . .	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	10,70,268	10,28,592	9,43,752
Orissa . .	...	...	...	...	...	...	...	...	...	...
Assam . .	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756	30,39,140	31,33,473
Central Provinces and Berar.	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	49,87,409	53,21,376
Coorg . .	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	5,38,518	4,58,145
North-West Frontier Province.	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767	7,44,207	7,91,166
Ajmer . .	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	72,759	66,934
Baluchistan .	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593	23,621	27,942
Andamans .	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597	8,91,029	11,70,863
Forest College and Research Institute.	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	1,05,697	2,74,025
Forest Surveys (Imperial).	...	...	...	...	...	...	...	...	...	...
Madras . .	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	51,70,520	56,23,700
Bombay . .	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964	75,28,038	76,56,420
Sind . . .	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL .	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	5,98,70,825	6,19,64,731

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Excludes Rs. 52,151 deducted on account of Refunds.

MENT XIX.

from 1899-1900 to 1935-36 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,255	...	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457	24,546	Imperial.
11,18,542	10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	Bengal.*
24,33,428	25,02,664	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	United Provinces.
17,81,653	16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	18,10,077	12,39,033	13,54,943	14,38,005	17,37,283	16,87,801	Punjab.
1,03,29,869	98,12,519	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,398	1,14,25,430	97,07,694	96,99,217	1,23,79,531	Burma.
...	...	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	Bihar and Orissa.
11,06,096	13,20,592	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	Assam.†
24,49,131	24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	Central Provinces and Berar.
2,45,419	2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	Coorg.
1,28,529	1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	North-West Frontier Province.
15,002	18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	Ajmer.
21,481	21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	Baluchistan.
5,82,511	6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	Andamans.
3,080	4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
29,67,604	32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	Madras.
38,84,993	34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	Bombay.
2,66,74,593	2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,451	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	GRAND TOTAL.

1927-28.	1928-29.	1929-30.	1930-31	1931-32.	1932-33.	1933-34.	1934-35.	1935-36.	1936-37.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	...	...	Imperial.
33,49,480	31,18,357	30,52,078	23,12,049	16,94,479	15,11,717	15,02,561	17,82,542	20,10,406	18,85,757	Bengal.
72,01,183	61,80,391	61,79,688	49,76,118	45,28,923	45,95,584	45,16,911	49,02,271	48,54,915	44,35,302	United Provinces.
31,91,217	35,28,025	31,57,771	23,84,898	22,44,309	19,52,000	19,48,176	18,84,892	19,52,612	22,47,309	Punjab.
(a) 2,24,07,668	(a) 1,81,00,143	(a) 2,08,66,104	(a) 1,56,68,850	(a) 1,13,96,019	(a) 92,42,859	(a) 88,39,554	(a) 1,22,76,181	1,44,42,341	1,54,46,436	Burma.
(b) 9,38,760	10,97,161	9,39,275	8,11,407	6,28,013	6,18,853	6,84,823	8,11,396	7,32,352	5,64,747	Bihar.
...	...	...	...	...	...	...	...	...	4,28,300	Orissa.
36,13,460	37,67,878	35,20,008	22,63,077	19,27,078	16,16,405	14,57,198	14,30,413	14,84,067	16,85,140	Assam.
50,78,160	54,46,316	59,97,508	51,11,894	44,47,111	42,90,168	44,06,011	47,91,425	49,39,304	47,63,565	Central Provinces and Berar.
4,98,372	5,25,636	5,72,031	3,09,073	4,85,821	3,37,323	4,32,344	3,54,418	3,26,621	3,40,215	Coorg.
7,56,700	8,29,377	8,64,377	8,03,902	7,31,285	7,39,710	4,35,260	2,74,181	3,89,433	4,35,626	North-West Frontier Province.
76,515	87,924	93,803	95,273	87,587	90,425	88,258	89,445	86,153	88,028	Ajmer.
29,867	23,425	29,300	29,277	27,976	25,615	22,340	36,905	30,547	38,729	Baluchistan.
14,18,062	15,00,706	20,06,813	19,37,596	14,51,463	16,22,129	14,01,064	11,09,488	14,94,845	13,16,471	Andamans.
1,16,167	1,06,001	1,03,866	90,605	29,092	58,960	13,055	3,972	31,070	36,684	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial.)
53,44,431	61,54,778	64,64,825	52,69,087	42,54,874	47,38,169	39,43,068	42,26,220	43,89,611	46,35,742	Madras.
72,94,094	73,43,035	79,74,964	52,23,753	56,73,847	59,71,103	54,80,090	55,83,750	58,89,966	47,71,685	Bombay.
...	...	...	...	...	...	...	...	...	7,28,283	Sind.
6,13,09,136	5,78,09,143	6,13,22,361	4,72,66,859	3,96,07,777	3,74,11,020	3,51,20,713	3,95,07,599	4,29,54,243	4,38,07,019	GRAND TOTAL.

Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 36 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial* . . .	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058
Bengal† . . .	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589
United Provinces .	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,489	10,08,739	10,13,998	10,81,438	13,91,583
Punjab . . .	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354
Burma . . .	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	26,46,457	28,90,263	33,52,404	34,46,924
Bihar and Orissa .	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡ . . .	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656
Central Provinces and Berar.	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615
Coorg . . .	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,516	54,086	60,603	74,958
Ajmer . . .	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641
Baluchistan . .	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672
Andamans . .	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431
Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,338	59,339	61,424
Forest Surveys (Imperial).	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	33,935	28,229
Madras . . .	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098
Bombay . . .	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804
GRAND TOTAL .	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial* . .	90,323	1,10,638	1,32,777	1,08,993	2,57,011	4,33,494	1,44,489	1,68,595	1,18,903	1,23,858
Bengal . .	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	12,60,968	17,34,761
United Provinces	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	48,50,695	36,84,005	36,95,346	33,73,499
Punjab . .	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035 (a)	26,14,488 (a)	27,01,510 (a)	27,03,386 (a)
Burma . .	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159	96,28,313	86,87,943	89,40,884
Bihar . .	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397	6,65,624	10,83,069
Orissa . .	...	...	...	...	...	...	...	...	...	...
Assam . .	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853	15,67,983	14,47,506
Central Provinces and Berar.	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	33,45,729	36,48,691
Coorg . .	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	3,05,395	2,84,770
North-West Frontier Province.	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,38,713	5,47,321	6,40,719
Ajmer . .	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	55,161	79,728
Baluchistan .	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	31,358	32,422
Andamans .	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	11,35,063	12,20,097
Forest College and Research Institute.	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365	8,14,033	8,96,566
Forest Surveys (Imperial).	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	...	...
Madras . .	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	48,23,239	50,36,844
Bombay . .	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317	42,07,626	43,59,516
Sind . . .	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL .	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883	3,39,63,202	3,56,06,316

* Includes pay of Inspector General of Forests, Assistant Inspector General of Forests.
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal Districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*contd.*

from 1899-1900 to 1935-36 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,767	95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	Imperial.*
5,93,509	6,33,386	7,13,394	5,83,981	5,91,009	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	Bengal.†
14,05,182	13,06,651	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307	27,35,915	United Provinces.
12,65,664	11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	Punjab.
39,38,063	36,59,753	35,51,532	37,17,247	36,83,618	38,42,709	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,588	Burma.
...	...	...	...	...	...	3,00,916	3,75 894	3,55,648	3,84,371	3,61,550	4,47,972	Bihar and Orissa.
5,93,910	7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214	6,76,088	Assam.‡
13,07,153	13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	Central Provinces and Berar.
95,748	1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,033	1,60,492	Coorg.
95,258	92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	North-West Frontier Province.
17,131	16,715	18,188	19,916	19,272	19,918	22,343	20,714	23,595	21,733	25,152	26,634	Ajmer.
25,743	26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	Baluchistan.
3,35,985	2,95,186	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	Andamans.
80,669	1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	Forest College and Research Institute.
30,044	30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	Forest Surveys (Imperial).
22,26,602	24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	Madras.
21,26,093	19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	36,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	Bombay.
1,42,20,521	1,40,62,819	1,45,12,933	1,47,26,034	1,49,20,651	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,888	GRAND TOTAL.

1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35	1935-36.	1936-37.	Province.
Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
61,661	59,361	61,498	(b) 1,93,252	59,082	45,019	46,667	41,758	46,820	54,037	Imperial.
17,02,453	16,82,191	16,65,180	15,95,129	16,61,044	15,08,613	14,42,183	14,90,019	15,53,316	14,97,967	Bengal.
39,93,303	32,43,716	33,88,710	32,78,623	26,44,164	26,03,979	26,54,550	27,39,932	27,83,081	27,62,041	United Provinces.
29,54,874	24,93,319	29,69,197	28,01,464	21,04,402	22,09,140	21,37,940	21,85,458	21,91,156	25,77,559	Punjab.
(a) 88,37,858	(a) 84,24,771	(a) 78,08,595	(a) 75,61,238	(a) 66,52,310	(a) 68,64,385	(a) 65,27,464	(a) 60,22,858	62,73,985	63,92,649	Burma.
6,63,374	8,50,373	9,02,662	7,34,695	7,63,257	6,31,793	6,68,071	6,42,959	7,51,504	4,93,198	Bihar.
...	...	...	...	...	...	...	...	...	4,32,878	Orissa.
14,45,767	21,22,366	22,20,302	21,16,589	16,11,208	14,10,217	11,97,019	11,75,244	11,28,342	11,71,726	Assam.
34,99,468	36,49,259	39,75,653	39,60,817	34,53,164	32,72,297	33,43,399	34,32,300	35,39,350	36,39,370	Central Provinces and Berar.
2,50,186	2,65,133	3,11,454	2,97,350	2,28,515	1,99,098	2,06,074	2,11,423	2,11,558	2,23,255	Coorg.
6,91,414	8,34,935	8,40,215	8,13,708	7,53,898	6,18,792	3,98,670	3,00,607	3,02,930	3,25,286	North-West Frontier Province.
82,854	76,355	81,200	83,821	87,684	75,153	62,432	1,08,510	66,064	83,877	Ajmer.
34,019	36,878	37,651	41,725	34,686	32,369	34,948	36,289	37,926	36,121	Baluchistan.
14,50,684	13,28,927	16,47,454	17,27,018	12,31,667	13,10,763	10,96,756	10,30,011	9,57,009	9,44,852	Andamans.
9,35,364	9,41,737	9,31,834	9,69,467	7,33,174	6,02,578	6,06,945	5,82,717	5,82,026	6,22,611	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
47,69,594	45,59,503	48,18,627	46,79,321	39,89,887	37,89,150	39,20,340	38 83,301	37,89,405	40,49,111	Madras.
43,11,781	44,92,445	46,75,278	43,51,586	40,66,782	36,23,206	32,86,367	31,15,438	31,09,344	28,07,105	Bombay.
...	...	...	...	...	...	...	...	..	3,35,182	Sind.
3,56,84,654	3,50,61,269	3,63,35,513	3,52,05,803	3,00,74,924	2,87,96,552	2,76,29.865	2,69,98,824	2,73,53,216	2,84,48,825	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 36 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290
Bengal†	53,264	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883
United Provinces	2,93,974	3,81,941	2,96,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735
Punjab	1,41,908	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,832
Bihar and Orissa	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021
Central Provinces and Berar.	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,61,260	2,78,365
Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867
Forest Surveys (Imperial).	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954
GRAND TOTAL	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,294

Province.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495	—1,18,903	—1,23,858
Bengal	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	15,95,452	13,89,080
United Provinces	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	27,30,935	24,97,804
Punjab	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498 (a)	11,12,824 (a)	14,10,566 (a)	12,04,345 (a)
Burma	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240	1,00,49,511	1,36,58,575	1,46,53,176
Bihar	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871	3,62,968	—1,39,317
Orissa	...	...	...	...	...	...	...	...	...	...
Assam	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	11,47,903	14,71,157	16,85,967
Central Provinces and Berar.	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	16,41,680	16,72,685
Coorg	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	2,33,123	1,73,375
North-West Frontier Province,	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	1,96,886	1,50,447
Ajmer	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937	17,598	—12,794
Baluchistan	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	—7,737	—4,480
Andamans	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,832	—4,28,093	—2,44,034	—49,234
Forest College and Research Institute.	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	—7,08,336	—6,22,541
Forest Surveys (Imperial).	—56,597	—59,110	—59,953	—90,448	—1,07.113	—1,19,935	—95,944	...	...	...
Madras	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	3,47,281	5,86,856
Bombay	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	33,20,412	32,96,904
Sind	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL	1,98,12,194	1,79,42,726	2,19,12,549	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	2,59,07,623	2,63,58,415

* Includes pay of Inspector General of Forests, Assistant Inspector General of Forests.
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.
(b) Includes Rs. 1,25,587 on account of Chengtu Timber Operations.

MENT XIX—*concld.*

from 1899-1900 to 1935-36 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—76,512	—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	Imperial.*
5,25,033	4,32,473	4,84,256	6,00,864	4,89,541	5 24,159	4,16,068	19,39,807	9,75,954	6,33,561	5 51,975	7,19,130	Bengal.†
10,28,246	11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,195	11,72,524	23,05,017	United Provinces.
5,17,989	4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	Punjab.
63,91,806	61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12 976	74,42,943	Burma.
...	...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	Bihar and Orissa.
5,12,186	6,12,732	6,30,074	5,55,019	5,22,191	8,03.295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	Assam.‡
11,41,978	10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	Central Provinces and Berar.
1,49,671	1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,523	3,26,822	Coorg.
33,271	89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	North-West Frontier Province.
—2,129	1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	Ajmer.
—4,262	—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362	—8,652	Baluchistan.
2,46,526	3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	Andamans.
—77,589	—1,32,907	—1,51,901	—1,78,511	—1,91,205	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	Forest College and Research Institute.
—30,044	—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	Forest Surveys (Imperial).
7,01,002	8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,60,852	11,79,520	17,53,448	Madras.
13,58,900	14,32,298	16,90,750	15,43,488	16,94,568	16,47,807	16,66,138	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	Bombay.
1,24,16,072	1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	GRAND TOTAL.

1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35.	1935-36.	1936-37	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—61,661	—59,361	—61,498	(b)—1,98,25?	—59,082	—45,019	—46,667	—41,758	—46,820	—54,037	Imperial.
16,47,027	14,36,166	13,86,898	7,16,920	33,435	3,104	60,378	2,92,523	4,57,090	3,37,790	Bengal.
32,07,880	29,36,675	27,90,928	16,97,495	18,84,759	19,91,605	18,62,381	21,62,339	20,71,834	16,73,261	United Provinces.
2,36,343	10,34,706	1,88,574	—4,16,566	1,39,807	—2,57,140	—1,39,764	—3,00,466	—2,38,544	3,30,250	Punjab.
(a) 1,35,69,810	(a) 96,75,872	(a) 1,25,57,509	(a) 81,07,612	(a) 47,43,709	(a) 23,78,474	(a) 23,12,090	(a) 62,53,323	81,68,356	90,53,787	Burma.
2,75,386	2,46,788	36,613	76,712	—1,35,244	—12,940	16,752	1,68,435	—19,152	71,549	Bihar.
...	...	...	...	...	...	...	...	...	—4,578	Orissa.
21,67,693	16,45,507	12,99,706	1,46,488	3,15,870	2,06,188	2,60,179	2,57,506	25	5,18,414	Assam.
15,78,692	17,97,057	20,21,855	11,51,077	9,93,947	10,17,871	10,62,612	13,59,524	13,99,954	11,24,195	Central Provinces and Berar.
2,43,186	2,60,503	2,60,577	11,723	2,57,806	1,38,225	2,26,270	1,42,995	1,15,063	1,25,960	Coorg.
65,286	—5,558	24,159	—9,806	—22,613	1,20,918	36,590	—26,426	86,503	1,10,840	North-West Frontier Province.
—6,339	11,569	12,603	11,452	—97	15,272	25,826	26,893	20,089	4,151	Ajmer.
—4,152	—13,453	—8,351	—12,448	—6,710	—6,754	—12,608	...	—6,778	2,608	Baluchistan.
—32,622	1,71,779	3,59,359	2,10,578	2,19,796	3,11,366	3,04,308	79,477	5,07,836	3,71,619	Andamans.
—8,19,197	—8,35,736	—8,27,968	—8,78,862	—7,04,082	—5,43,618	—5,93,890	—5,78,745	—5,50,956	5,85,927	Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial.)
5,74,837	15,95,270	16,46,198	5,89,766	2,64,987	9,49,019	22,728	6,13,198	5,00,206	5 86,631	Madras.
29,82,313	28,50,590	32,99,686	8,72,167	16,07,065	23,47,897	21,43,723	24,18,312	27,80,622	19,64 580	Bombay.
...	...	...	...	...	...	...	...	...	3,93,101	Sind.
2,56,24,482	2,27,47,874	2,49,86,848	1,20,81,056	95,32,853	86,14,468	74,90,858	1,28,32,130	1,56,01,028	1,53,58,194	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATEMENT No. XX.

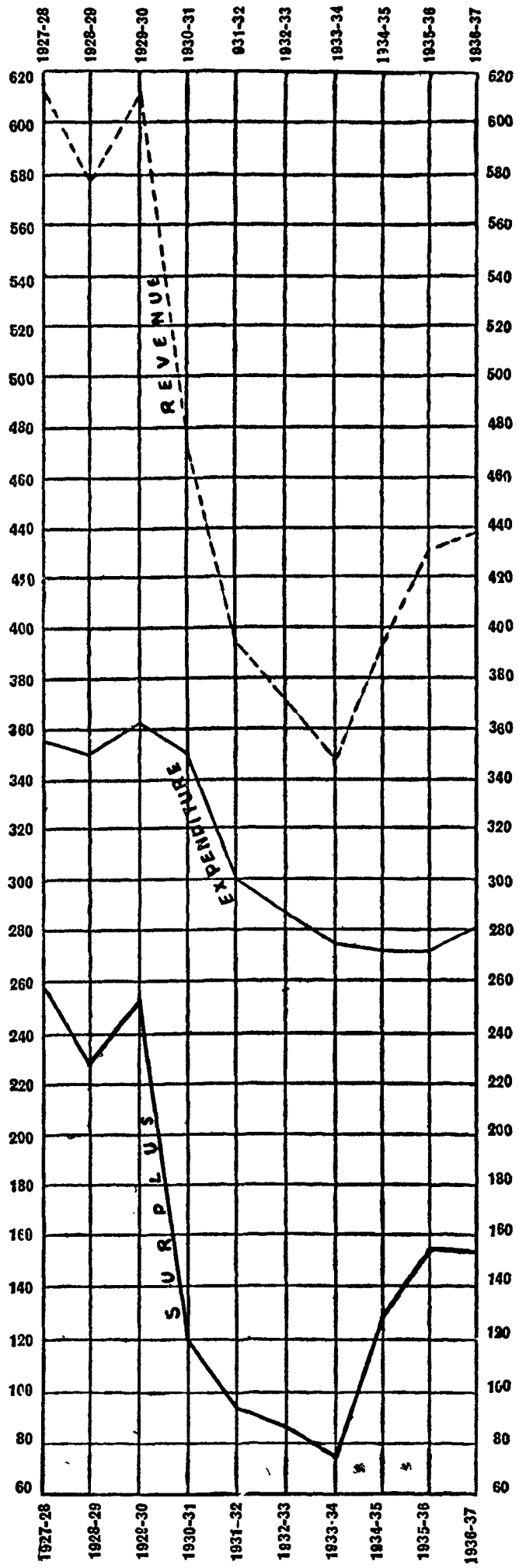
Forest Area by ownership (in square miles).

Province.	Type of Forests.	The State.			Corporate Bodies.	Private individuals.	Total.	Remarks.
		Dedicated to timber production.	Other forest.	Total.				
1	2	3	4	5	6	7	8	9
Bengal	Merchantable	7,186	30	7,216	...	1,633	8,849	
	Unprofitable or inaccessible	21	3,445	3,466	...	...	3,466	
United Provinces	Merchantable	3,491	700	4,191	21	1,200	5,412	
	Unprofitable or inaccessible	...	10,084	10,084	...	1,876	11,960	
Punjab	Merchantable	831	930	1,761	...	...	1,761	
	Unprofitable or inaccessible	1,603	1,478	3,081	...	...	3,081	
Burma	Merchantable	22,479	53,793	76,272	...	...	76,272	
	Unprofitable or inaccessible	6,081	41,216	47,297	...	...	47,297	
Federated Shan States	Merchantable	2,152	6,072	8,224	...	...	8,224	
	Unprofitable or inaccessible	260	10,552	10,812	...	...	10,812	
Bihar	Merchantable	1,351	...	1,351	...	7,448	8,799	
	Unprofitable or inaccessible	...	748	748	...	...	748	
Orissa	Merchantable	268	806	1,074	...	445	1,519	
	Unprofitable or inaccessible	917	—	917	...	1,000	1,917	
Central Provinces	Merchantable	12,403	5,800	18,203	...	15,328	33,531	
	Unprofitable or inaccessible	2,040	2,823	4,863	...	9,168	14,031	
Coorg	Merchantable	372	187	559	...	203	762	
	Unprofitable or inaccessible	123	133	256	...	145	401	
North-West Frontier Province.	Merchantable	146	18	164	35	...	199	
	Unprofitable or inaccessible	...	130	130	...	...	130	
Ajmer	Merchantable	142	...	142	...	...	142	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Baluchistan	Merchantable	...	...	...	...	...	...	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Andamans	Merchantable	2,054	...	2,054	...	...	2,054	
	Unprofitable or inaccessible	134	...	134	...	...	134	
Madras	Merchantable	4,201	6,890	11,091	...	5,482	16,573	
	Unprofitable or inaccessible	2,338	4,952	7,290	...	9,389	16,679	
Bombay	Merchantable	6,570	1,122	7,692	...	165	7,857	
	Unprofitable or inaccessible	...	5,306	5,306	...	...	5,306	
Sind	Merchantable	1,157	...	1,157	...	...	1,157	
	Unprofitable or inaccessible	...	...	...	...	...	...	
Total	Merchantable	64,803	76,348	1,41,151	56	31,904	1,73,111	
	Unprofitable or inaccessible	13,517	80,867	94,384	...	21,578	1,15,962	
	GRAND TOTAL	78,320	1,57,215	2,35,535	56	53,482	2,89,073	
	Percentage of total Forest Area	28·7	67·4	89·7	...	21·6	...	

APPENDIX.

DIAGRAM SHOWING ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS

for the 10 years 1927-28 to 1936-37.



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